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FIG. 1

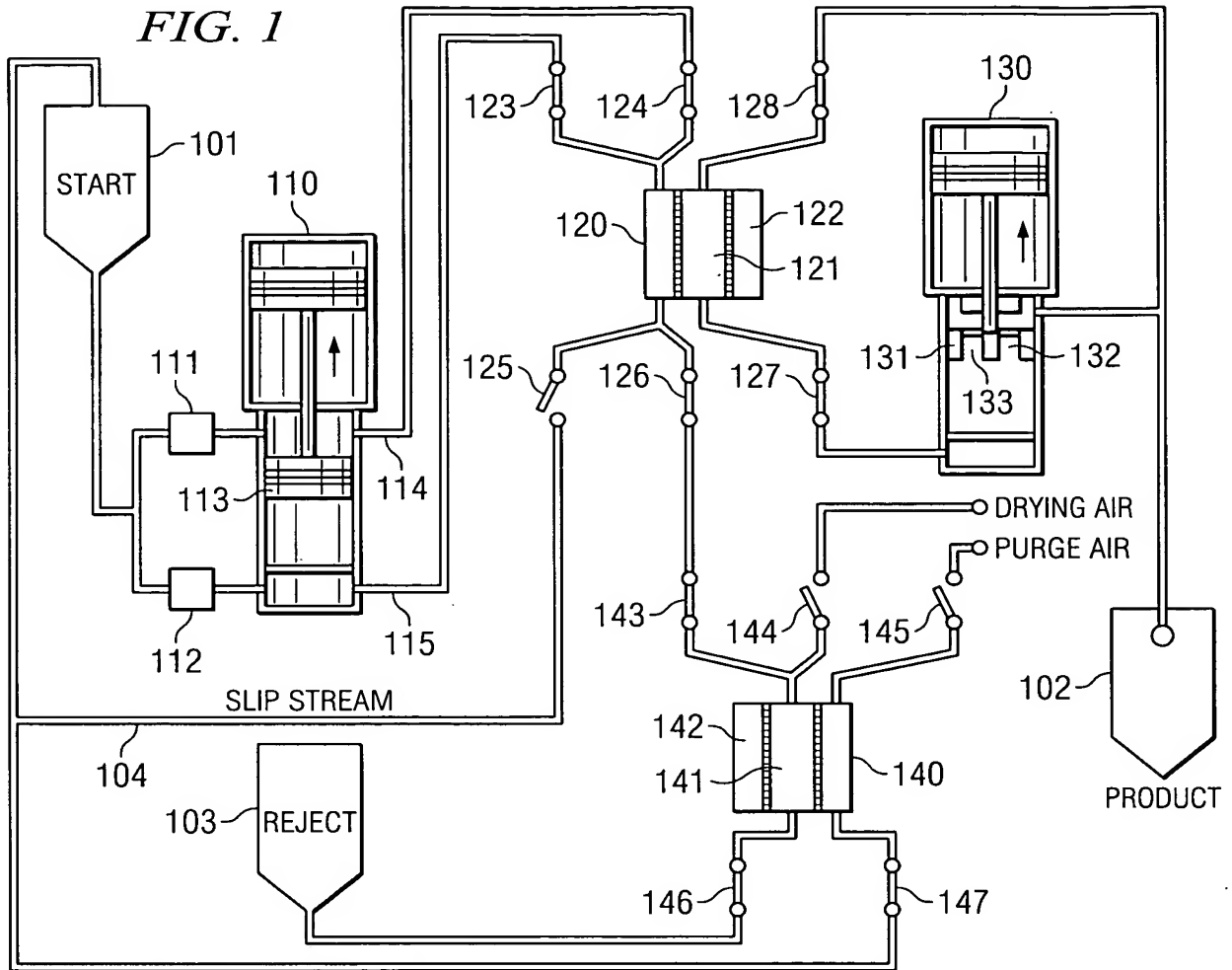
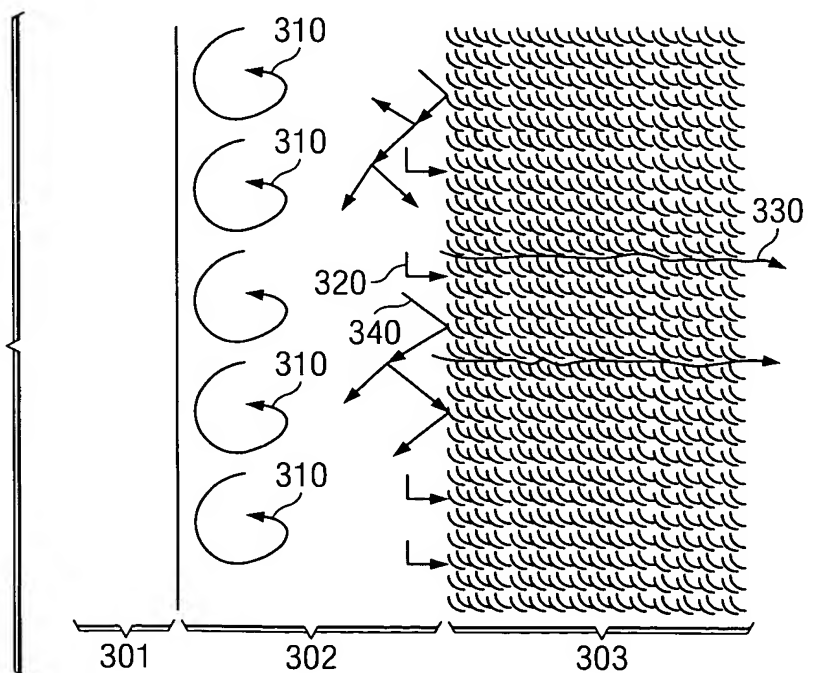


FIG. 3



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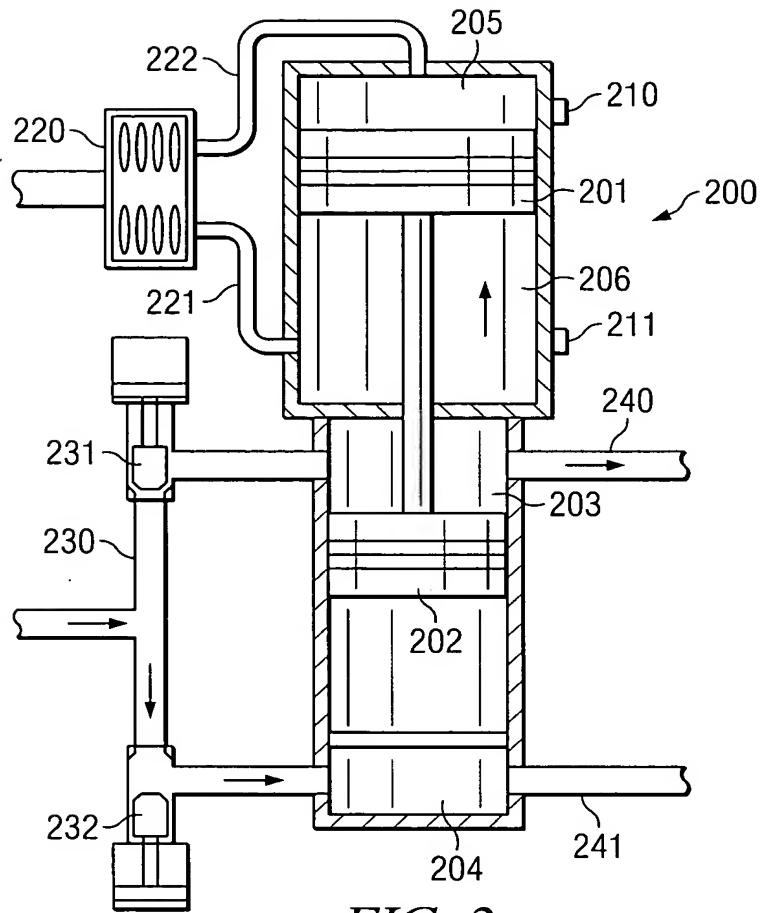


FIG. 2

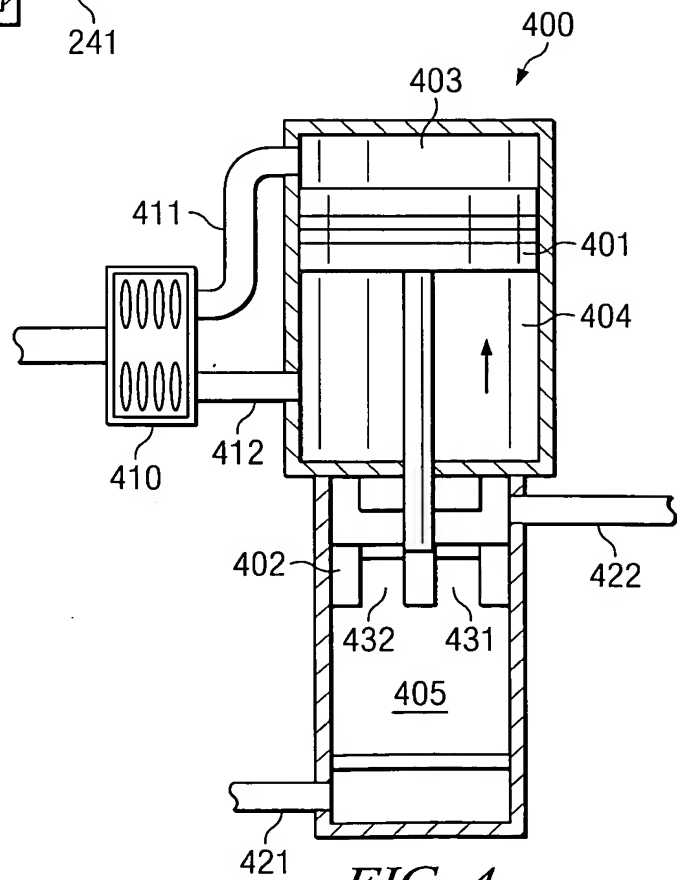


FIG. 4

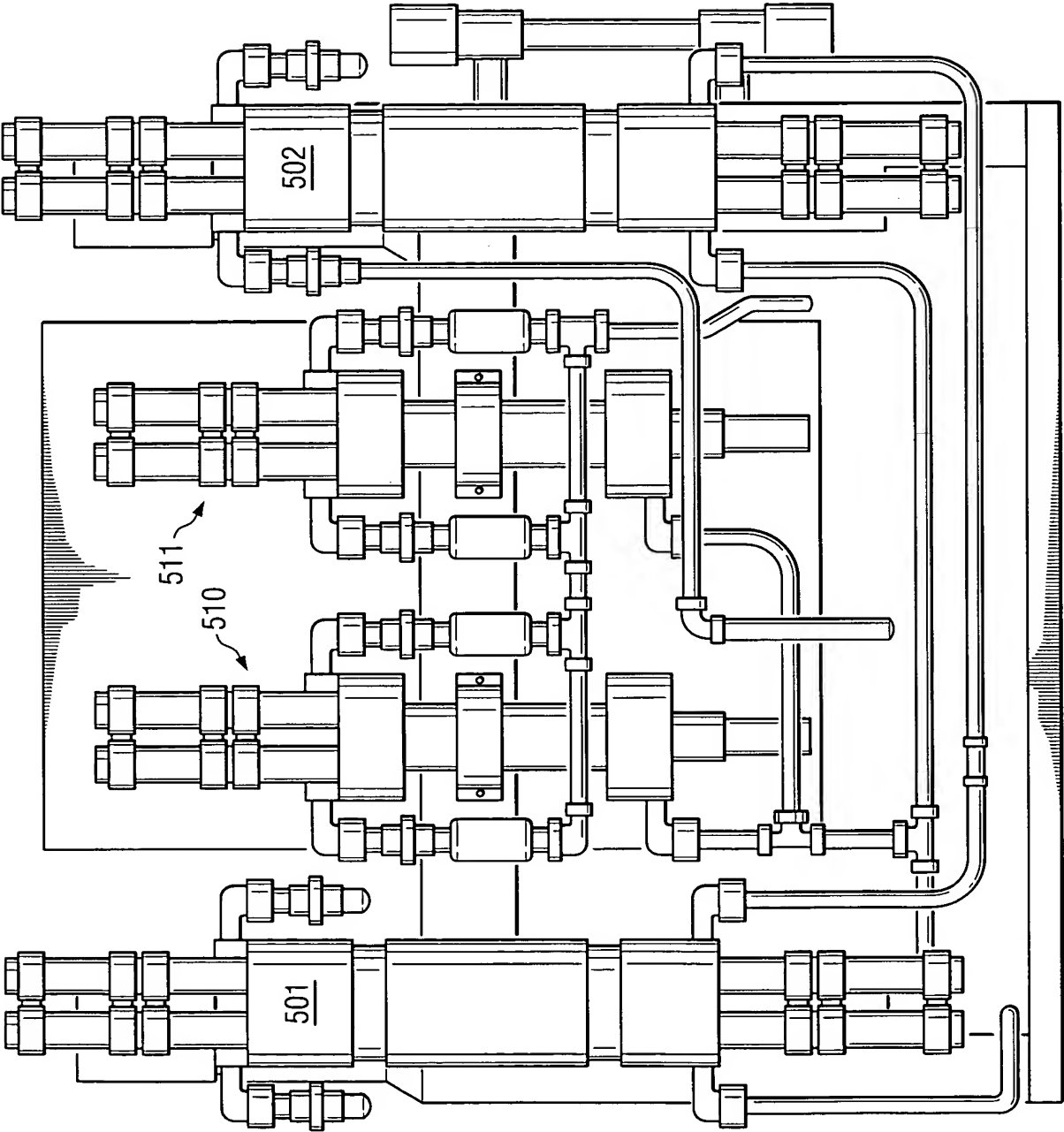


FIG. 5A

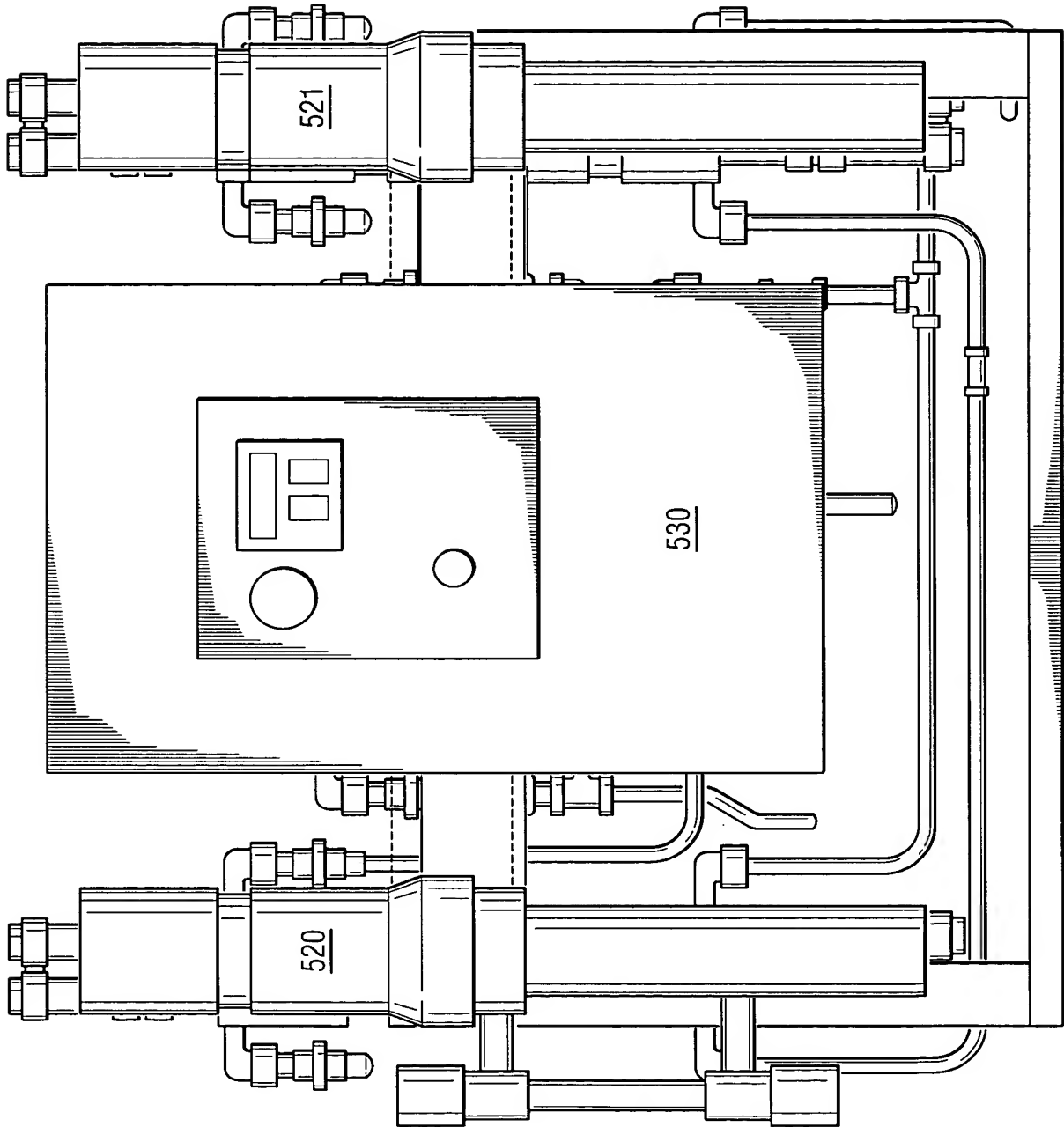


FIG. 5B

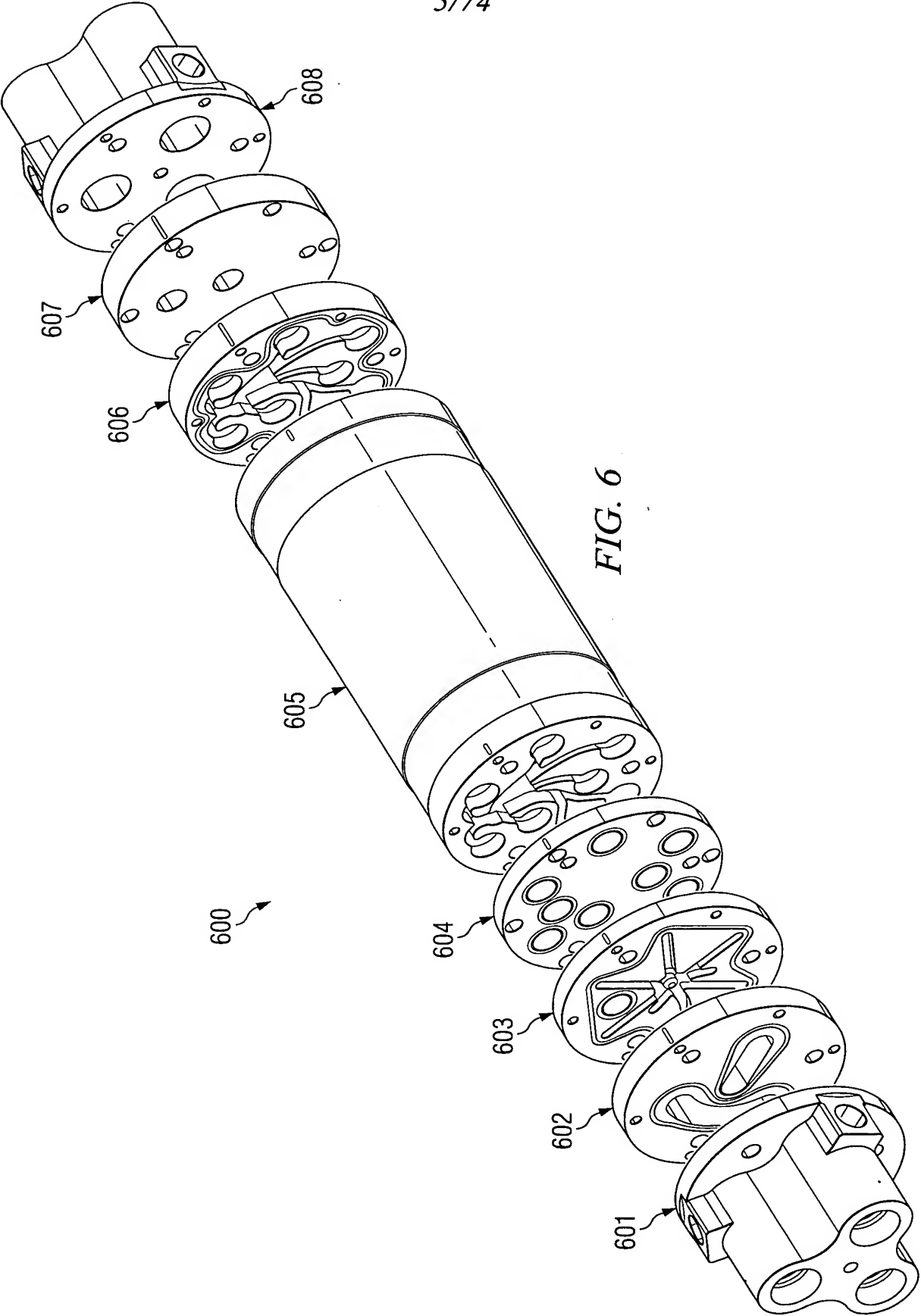


FIG. 6

*FIG. 7A*

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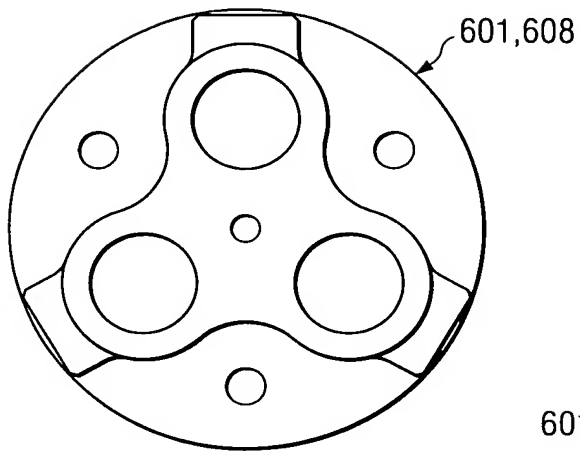
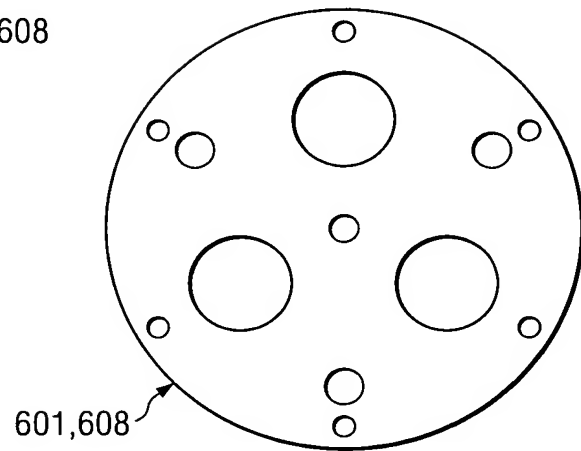
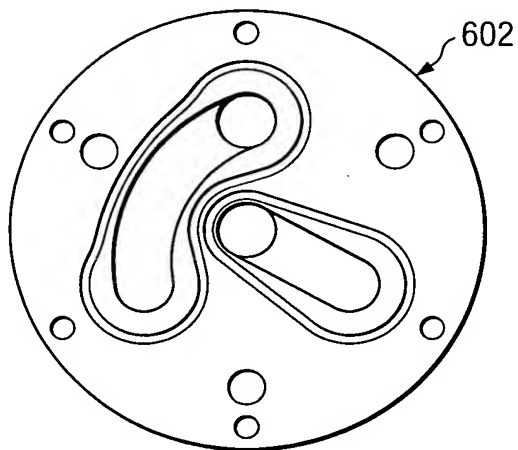
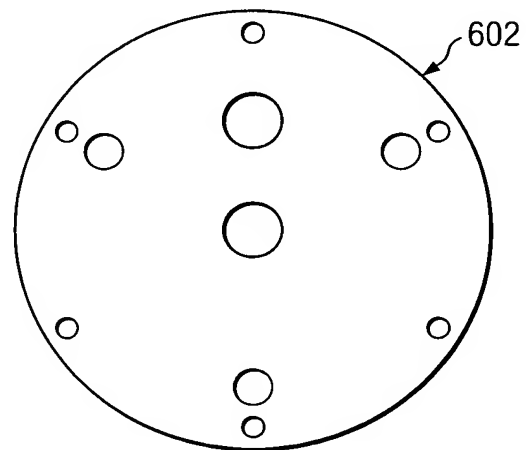
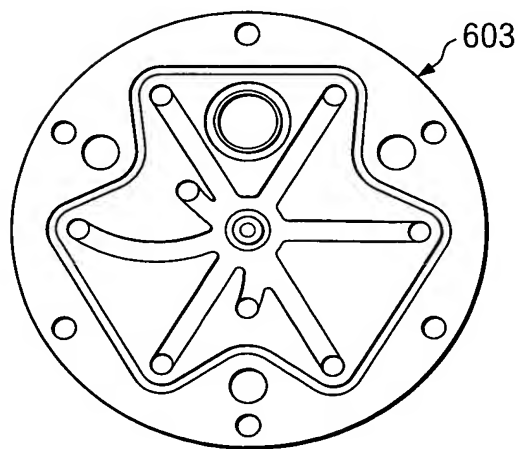
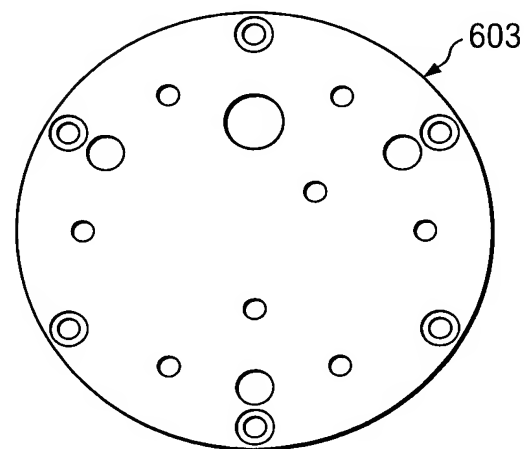
*FIG. 7B**FIG. 8A**FIG. 8B**FIG. 9A**FIG. 9B*

FIG. 10A

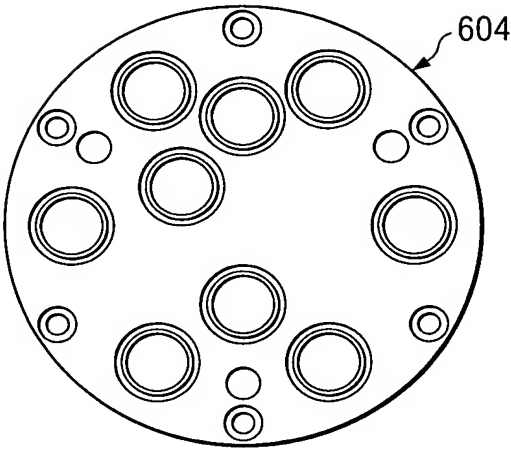


FIG. 10B

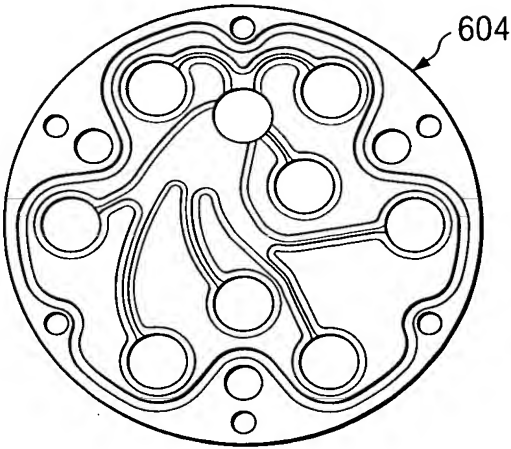


FIG. 11A

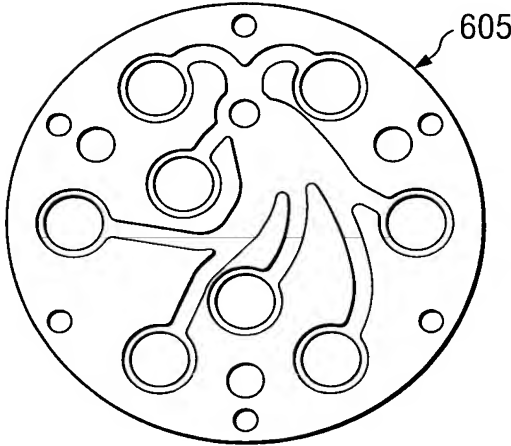


FIG. 11B

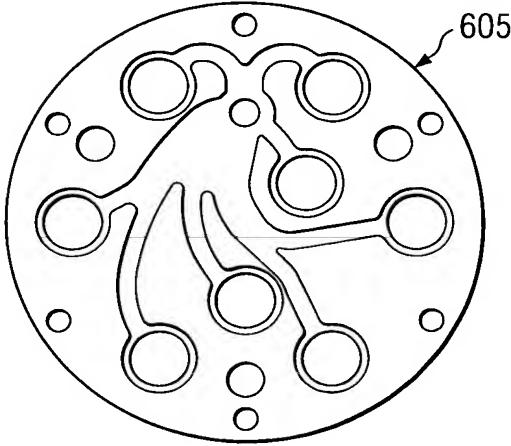


FIG. 12A

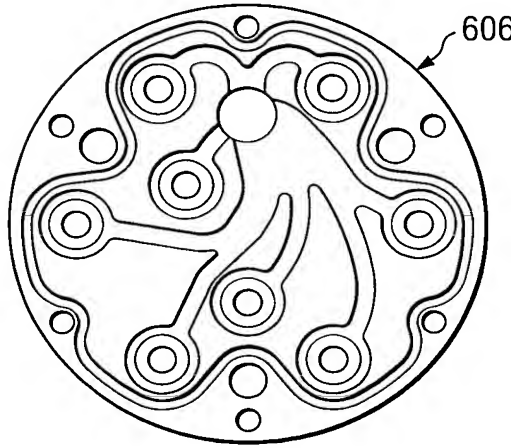
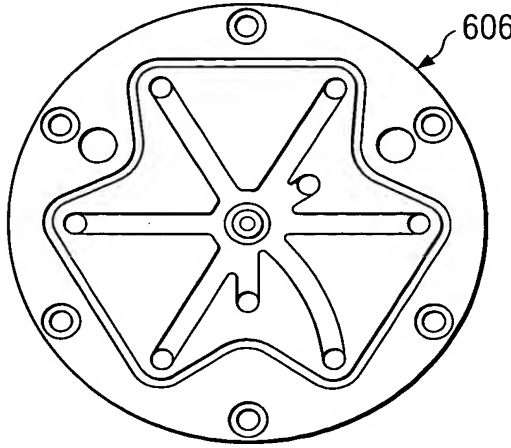


FIG. 12B



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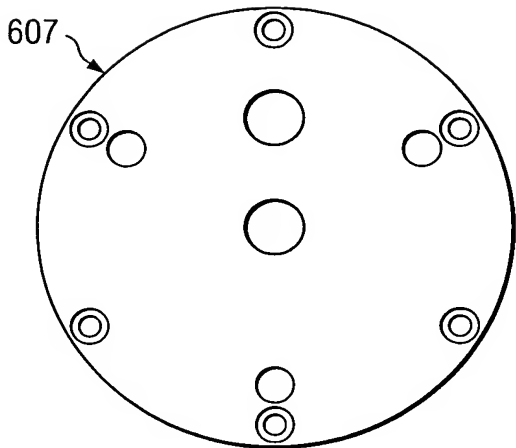


FIG. 13A

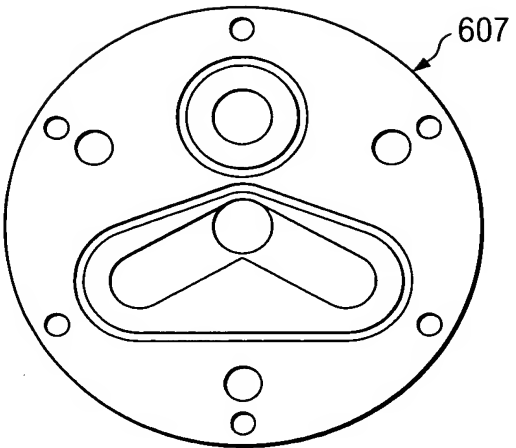


FIG. 13B

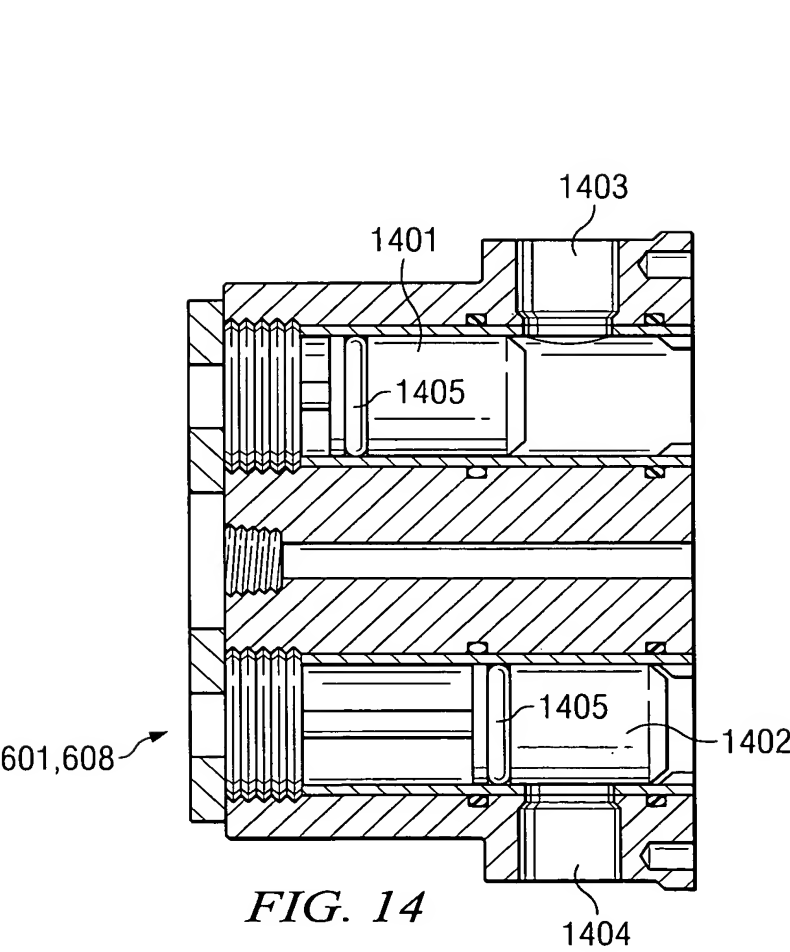


FIG. 14

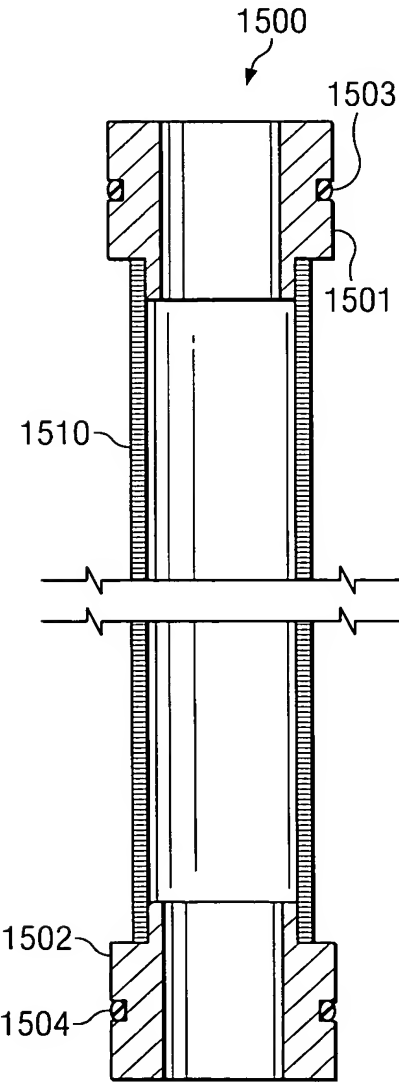
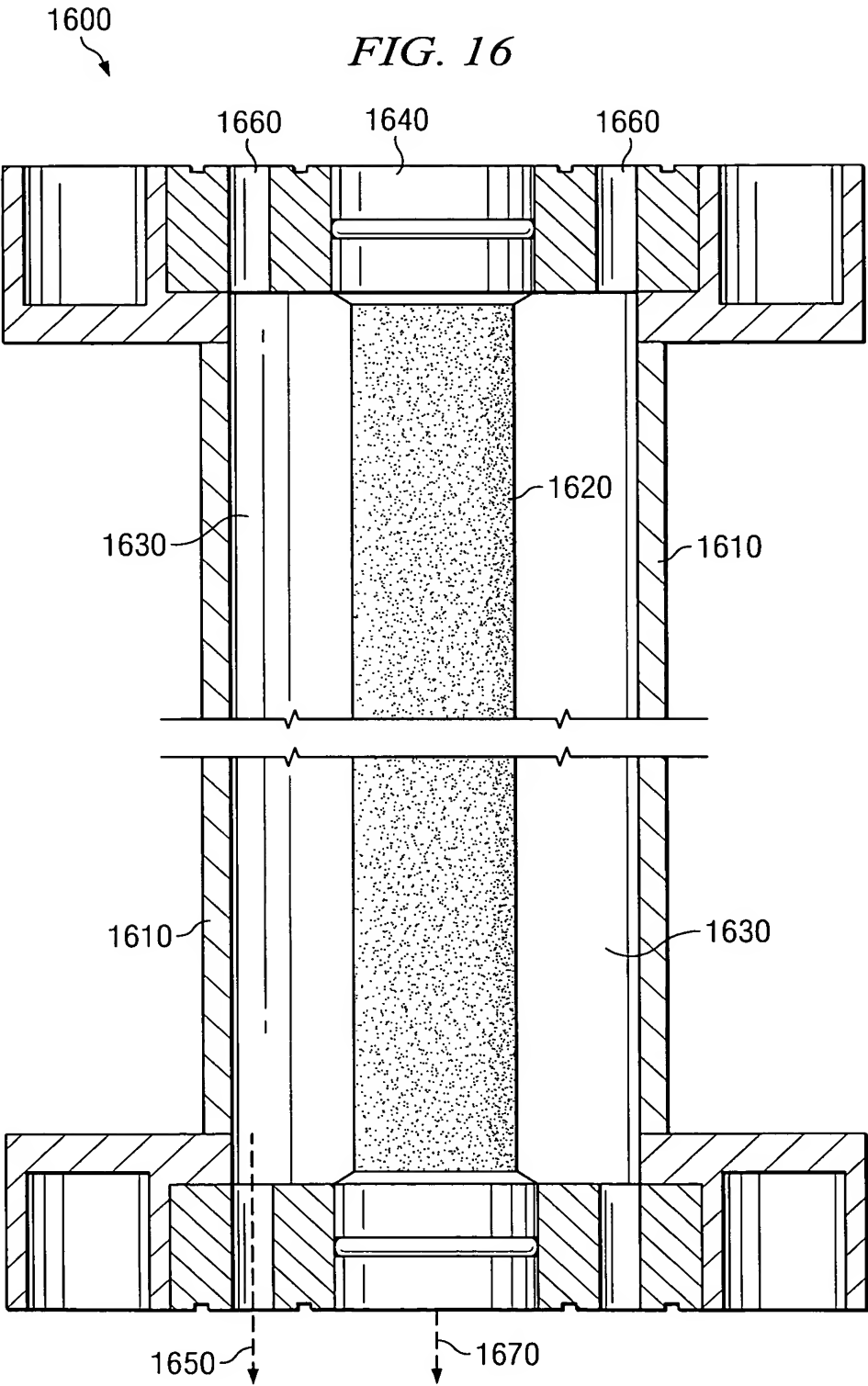


FIG. 15



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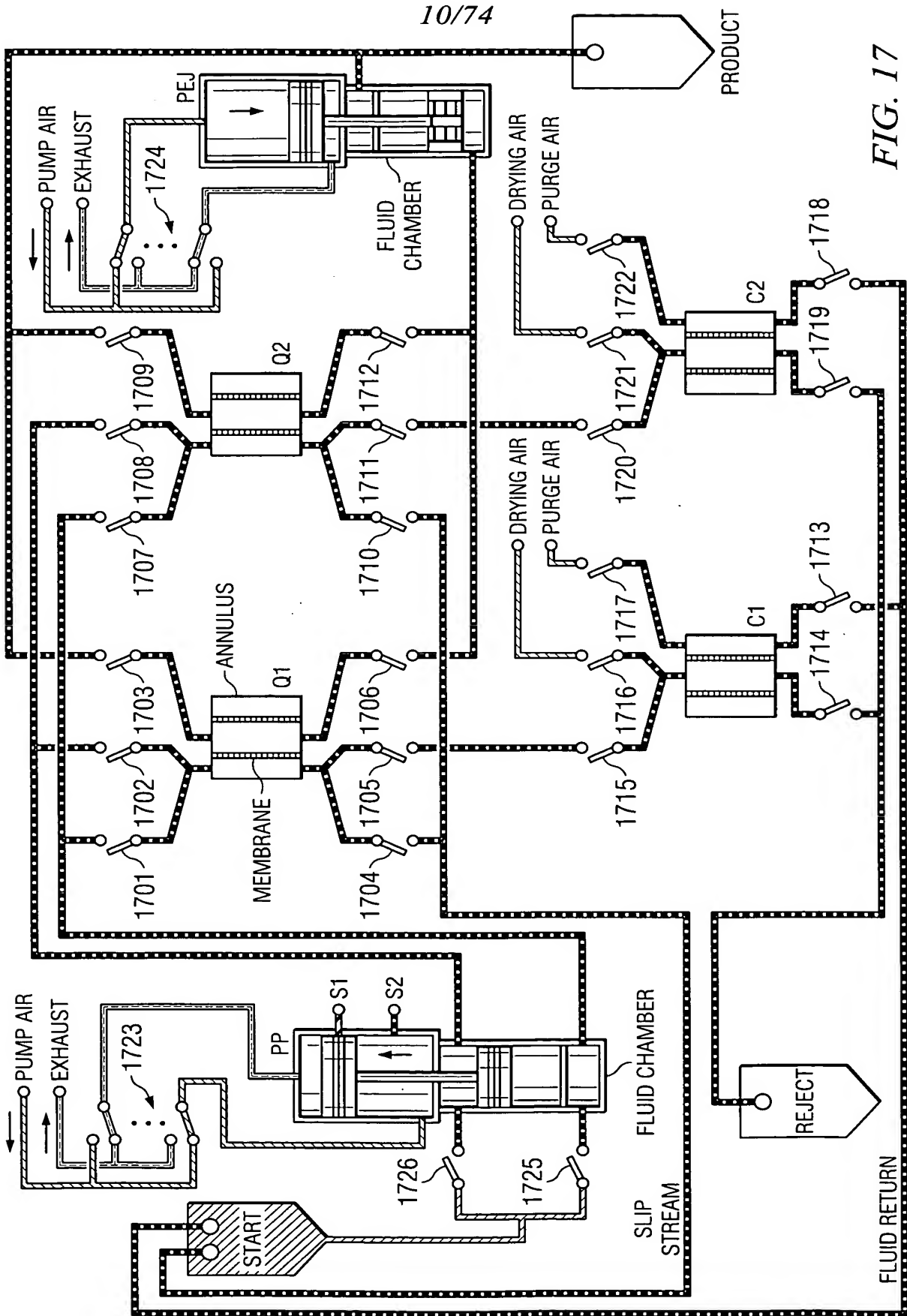


FIG. 17

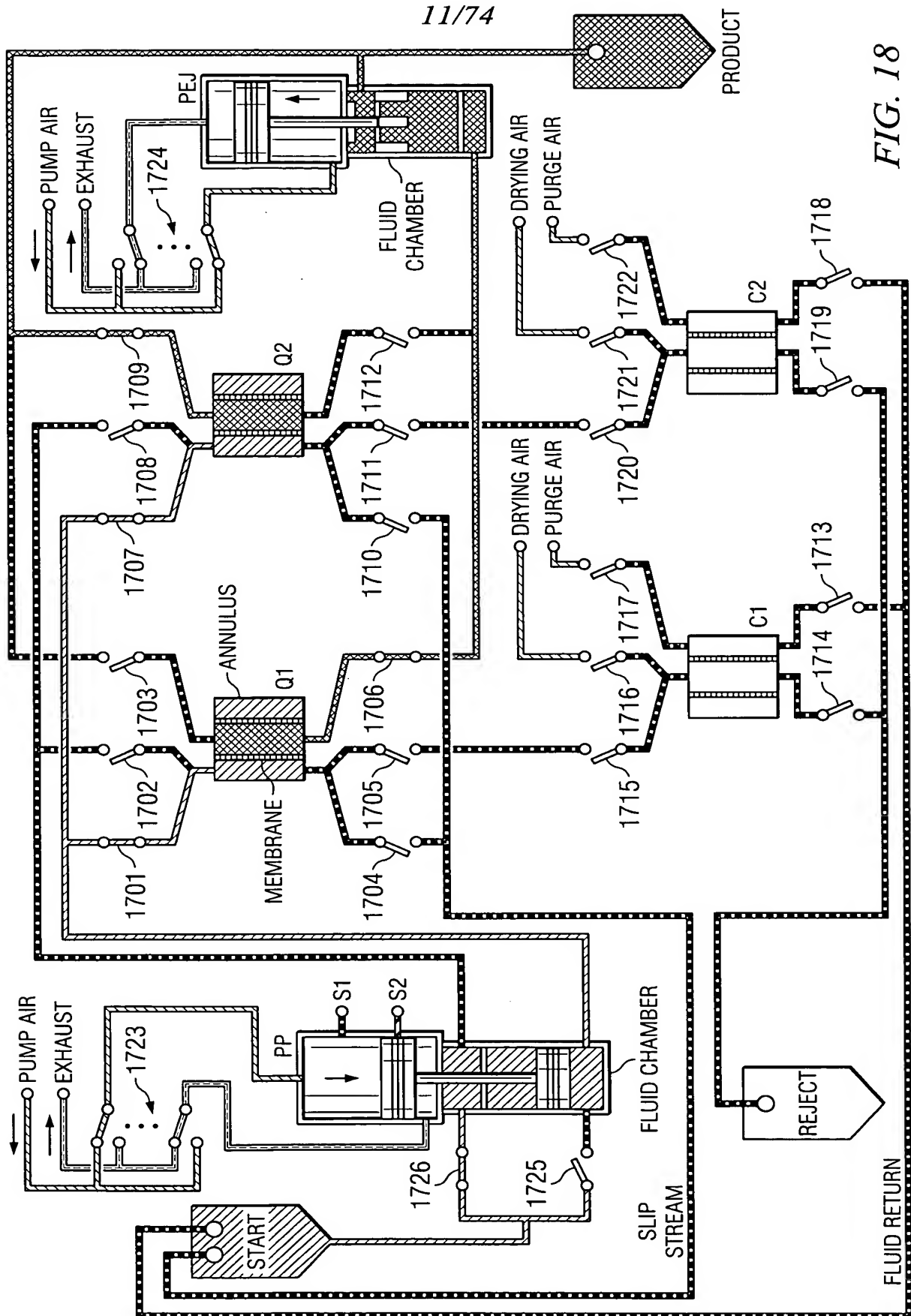


FIG. 18



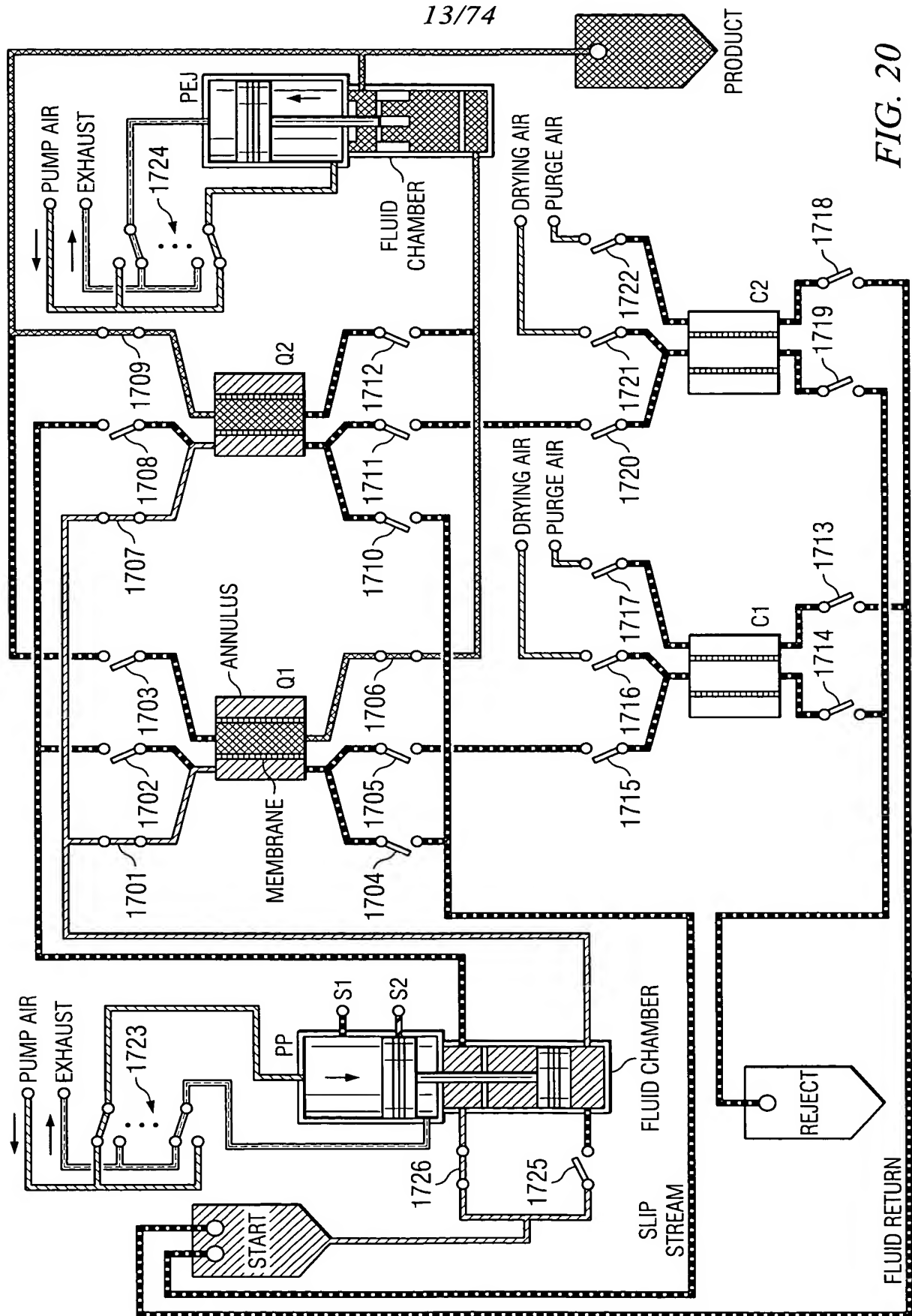
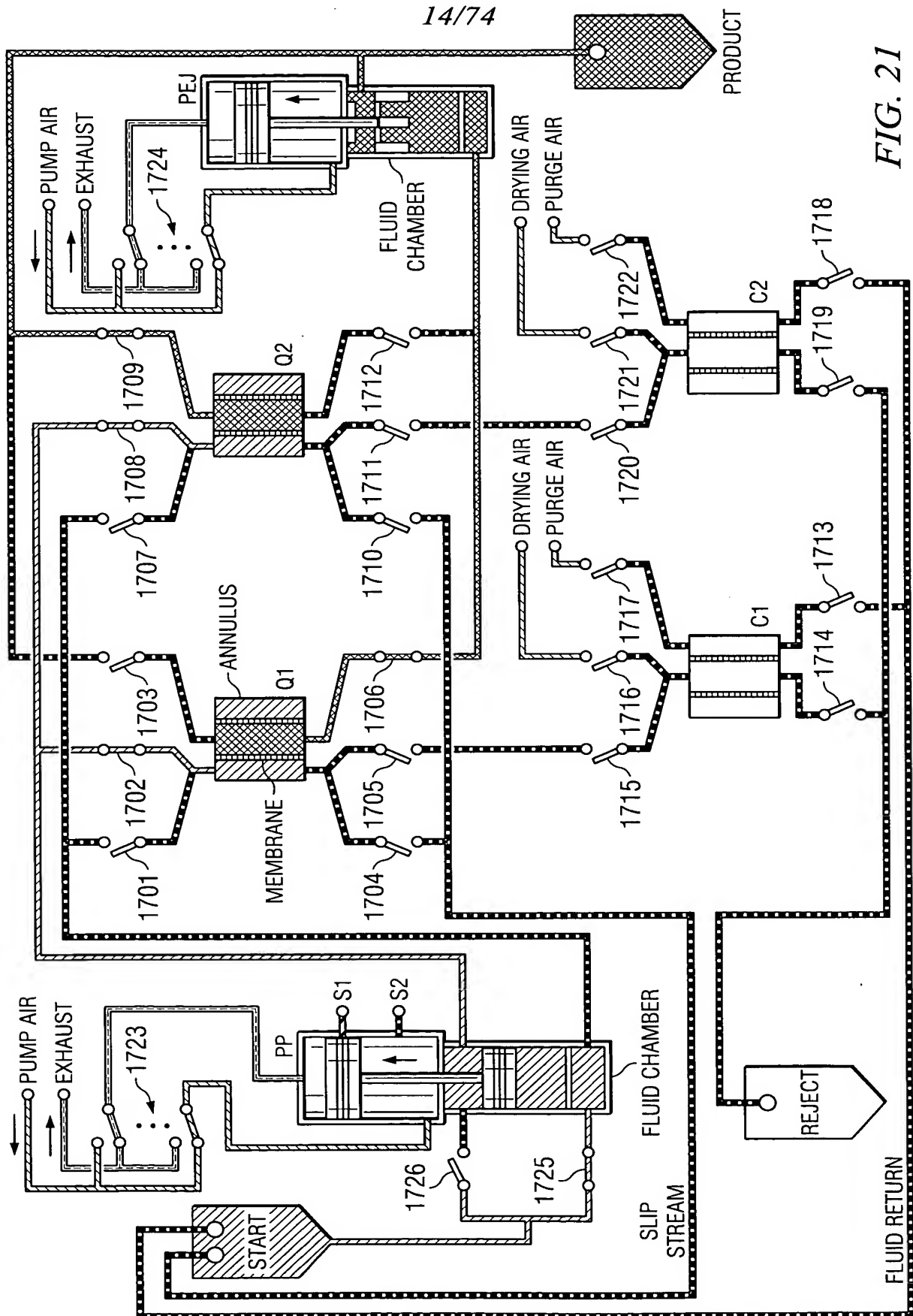


FIG. 20



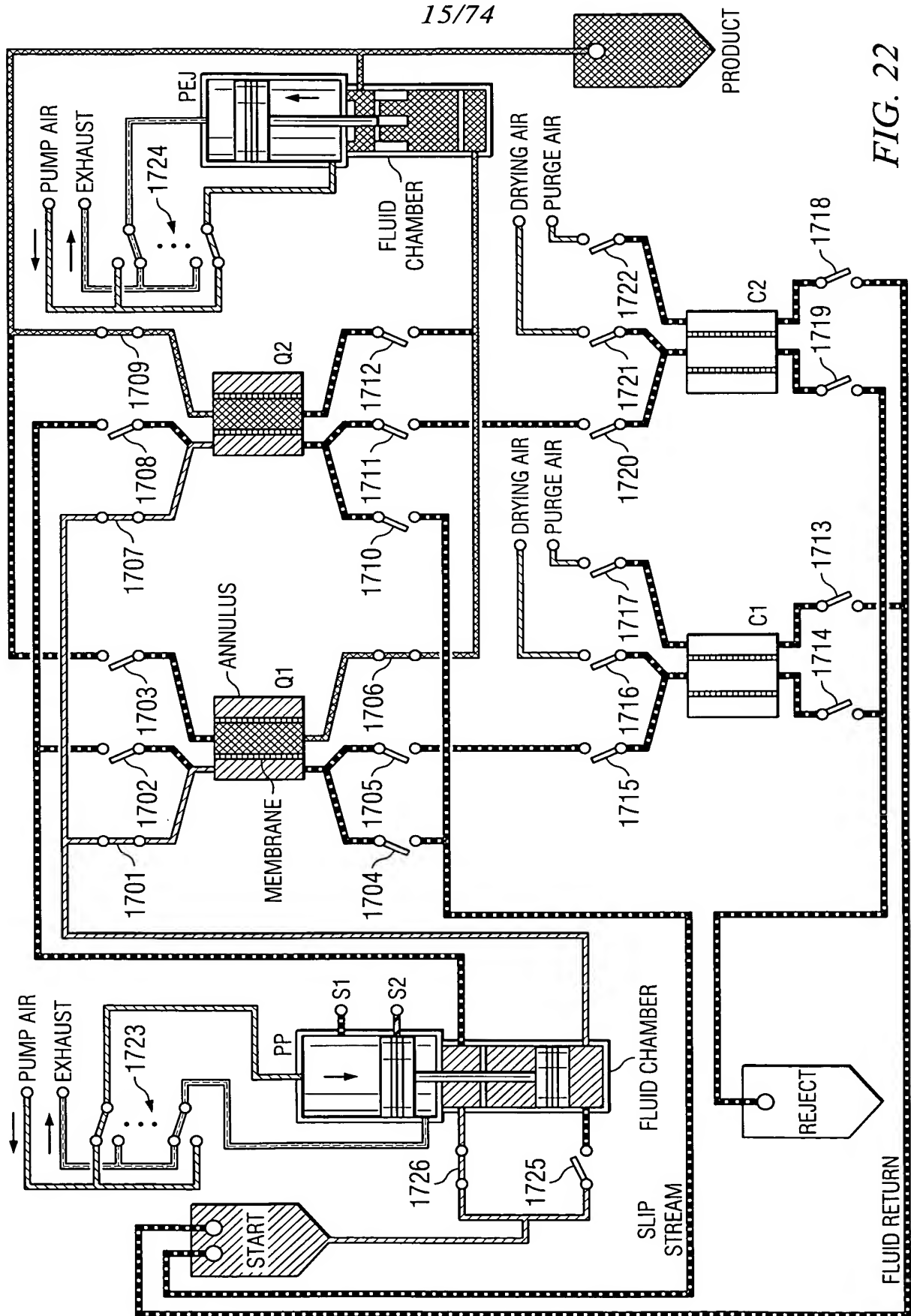


FIG. 22

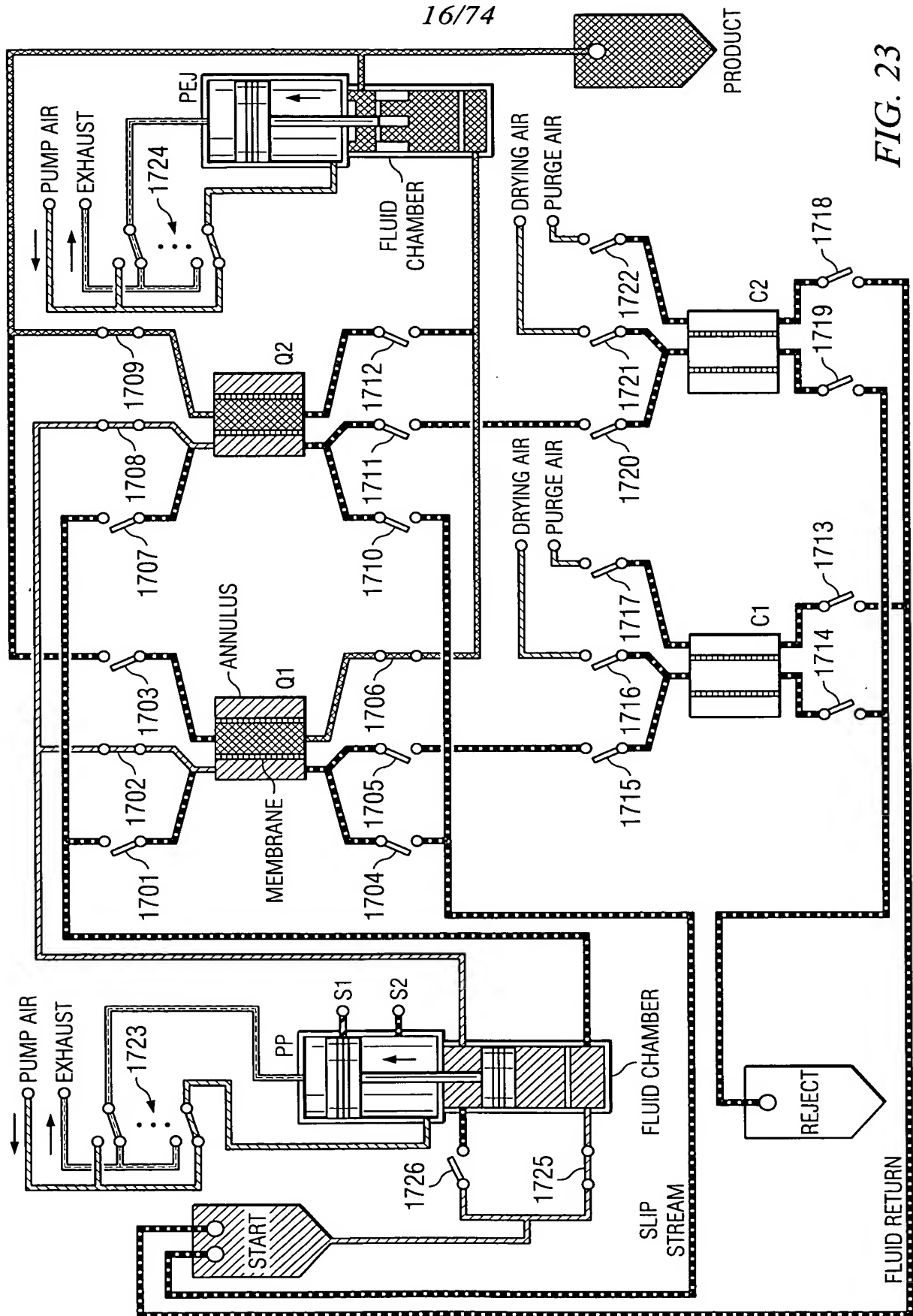


FIG. 23



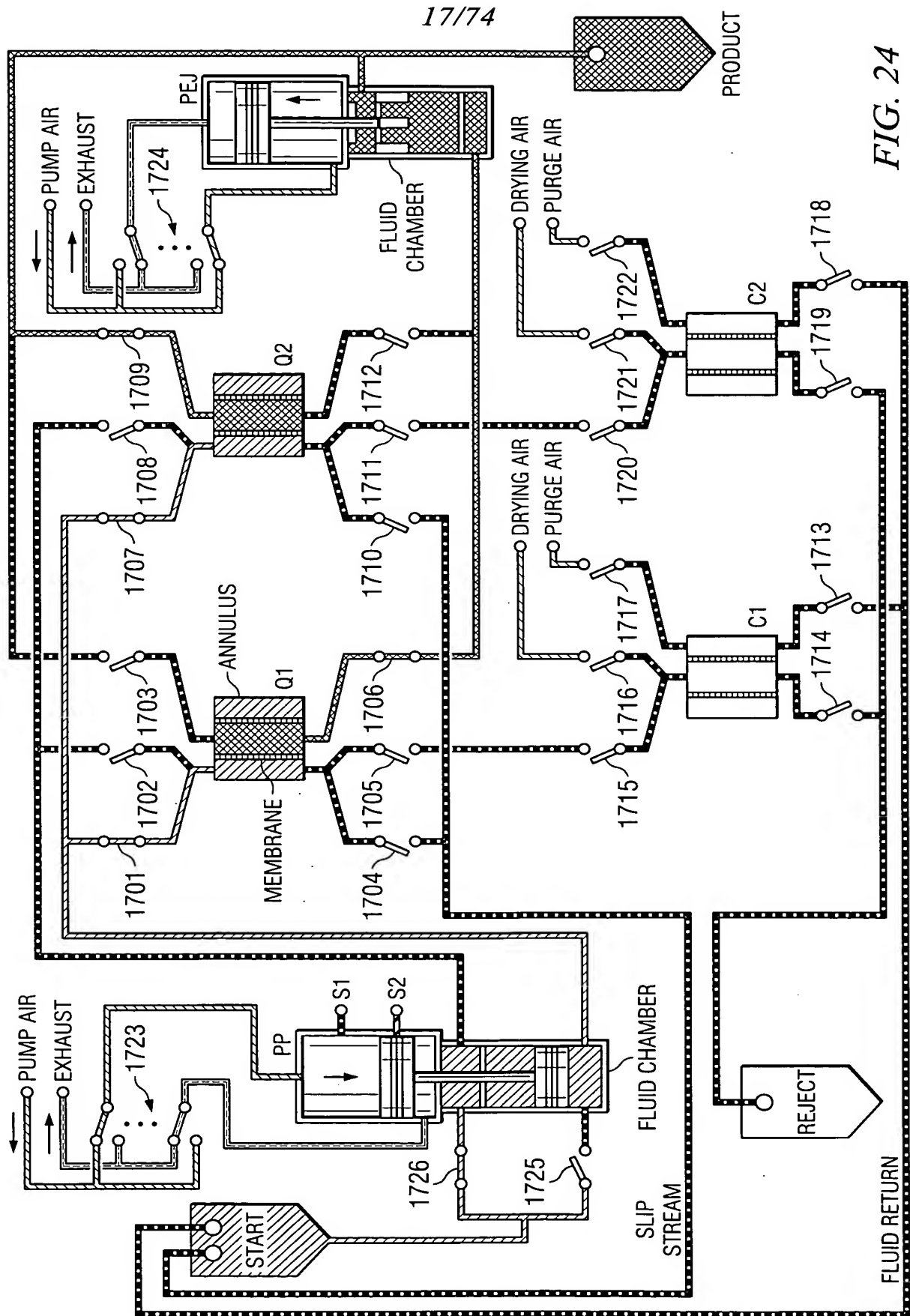


FIG. 24

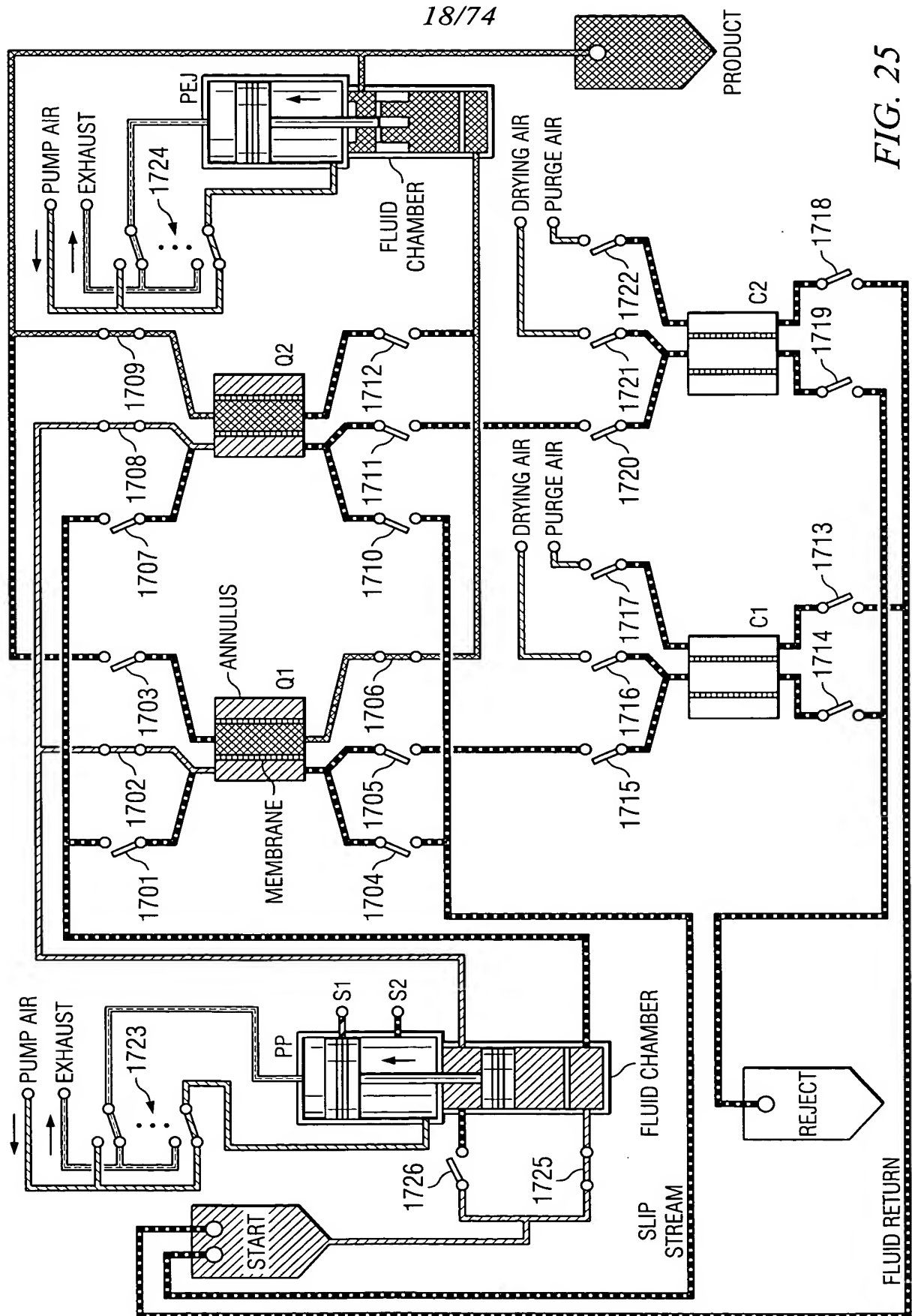


FIG. 25

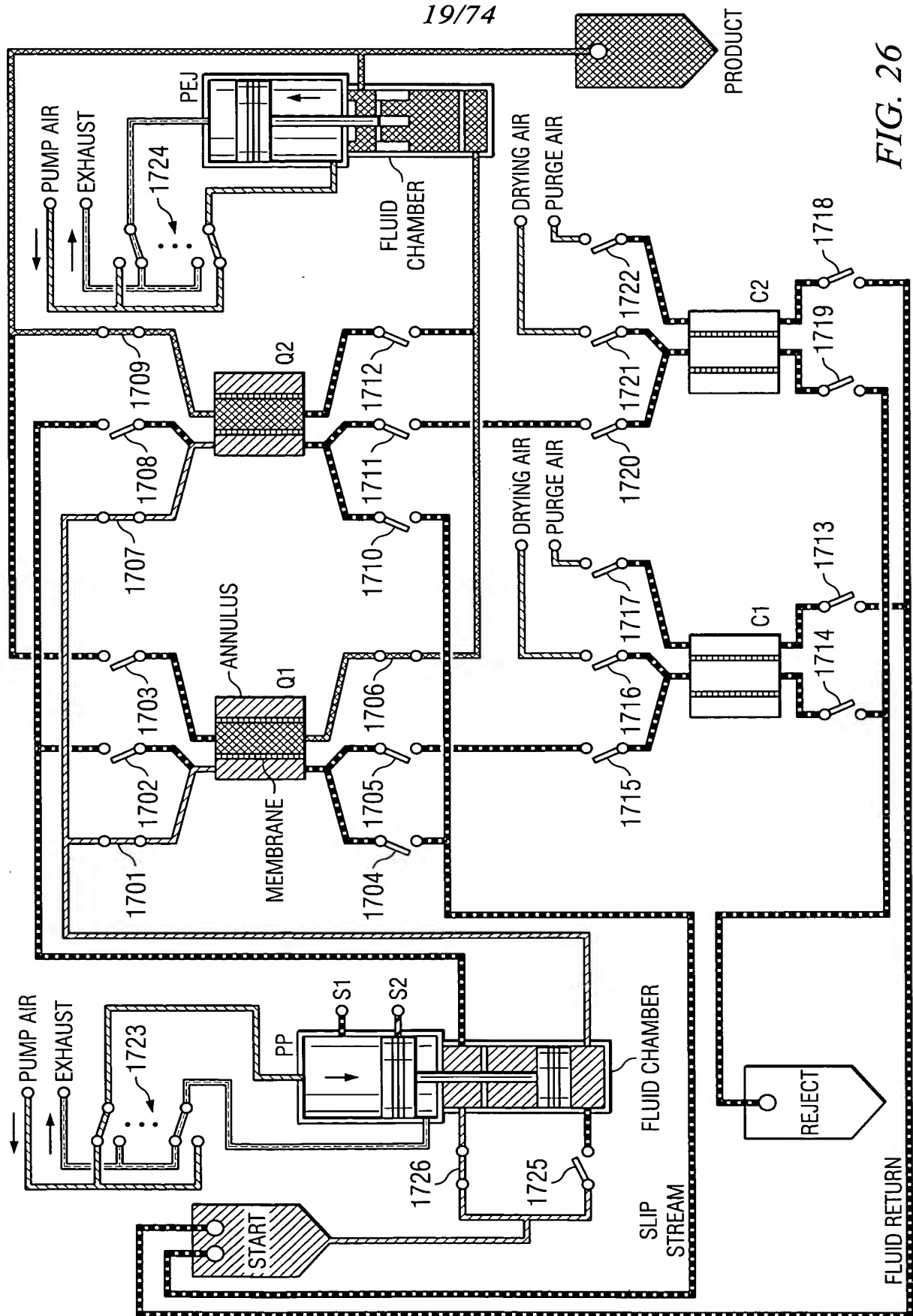


FIG. 26

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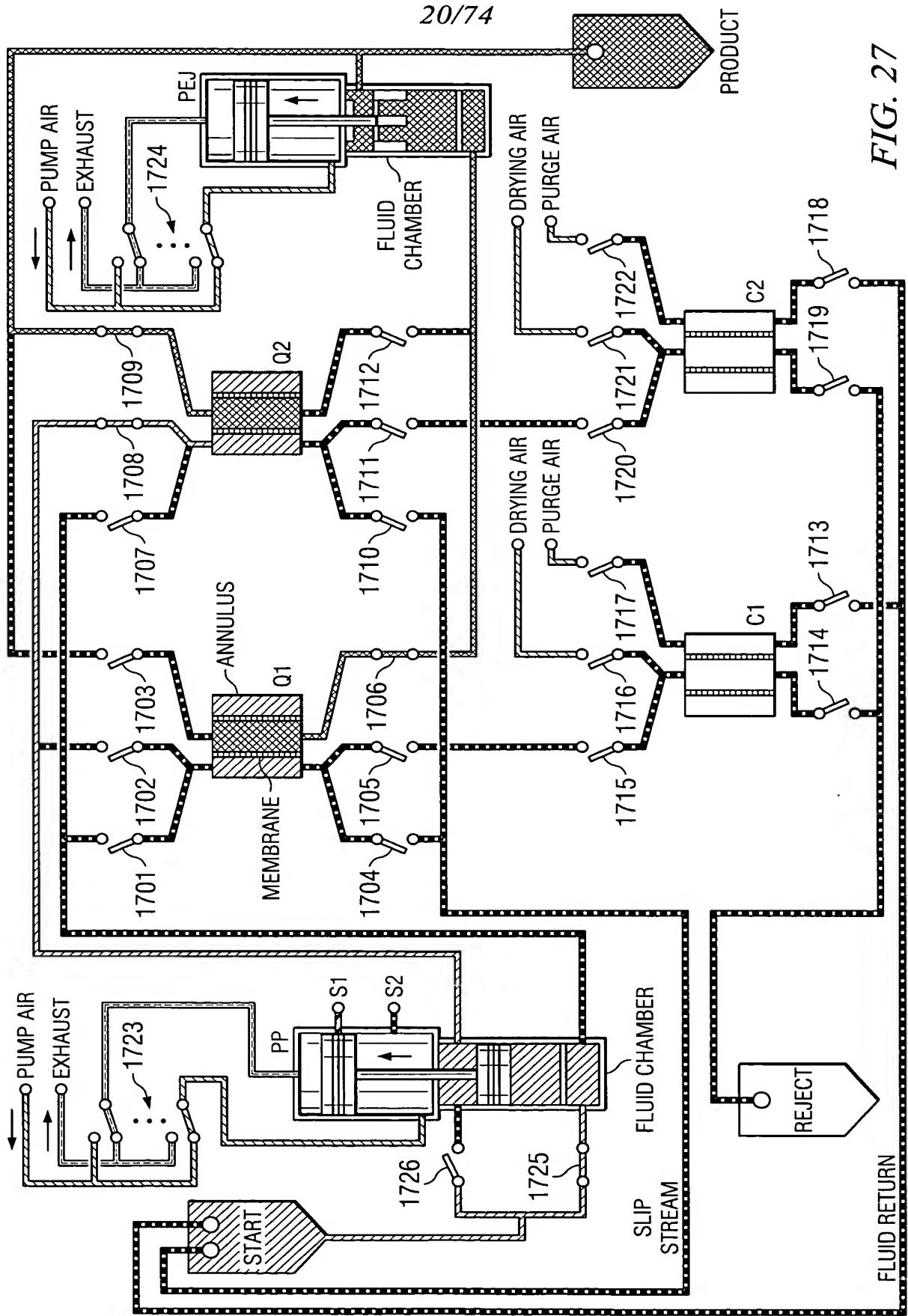
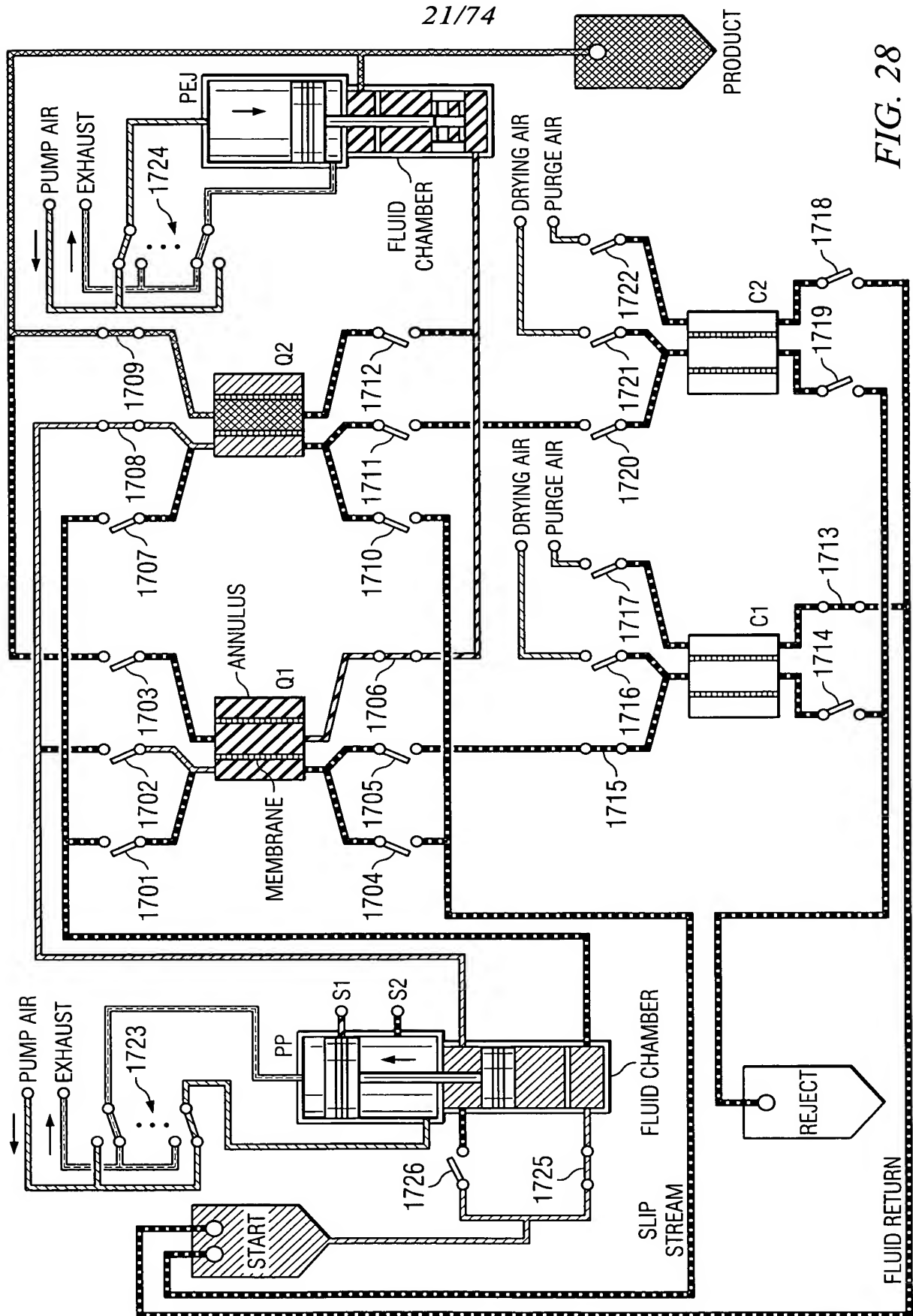


FIG. 27



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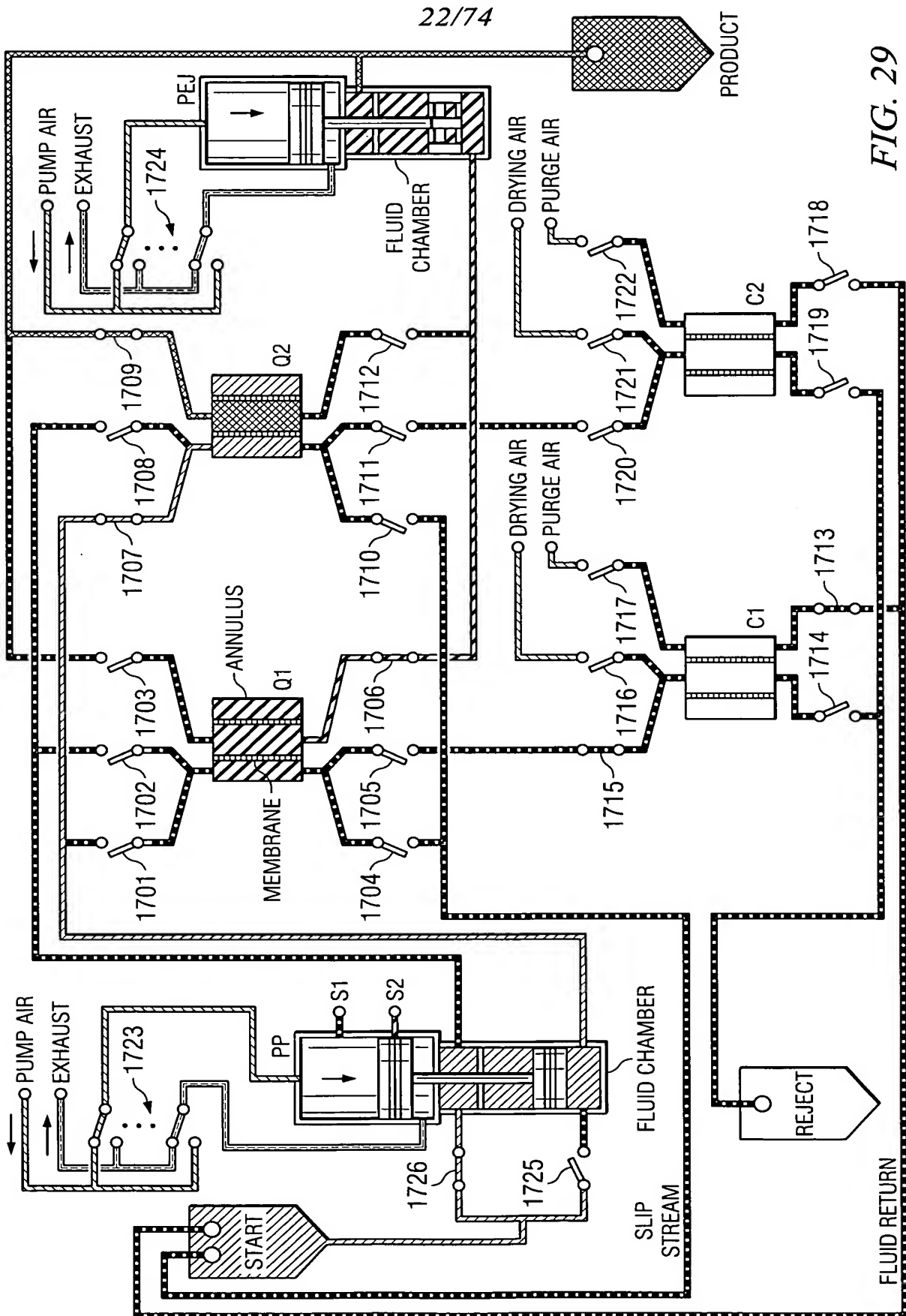


FIG. 29

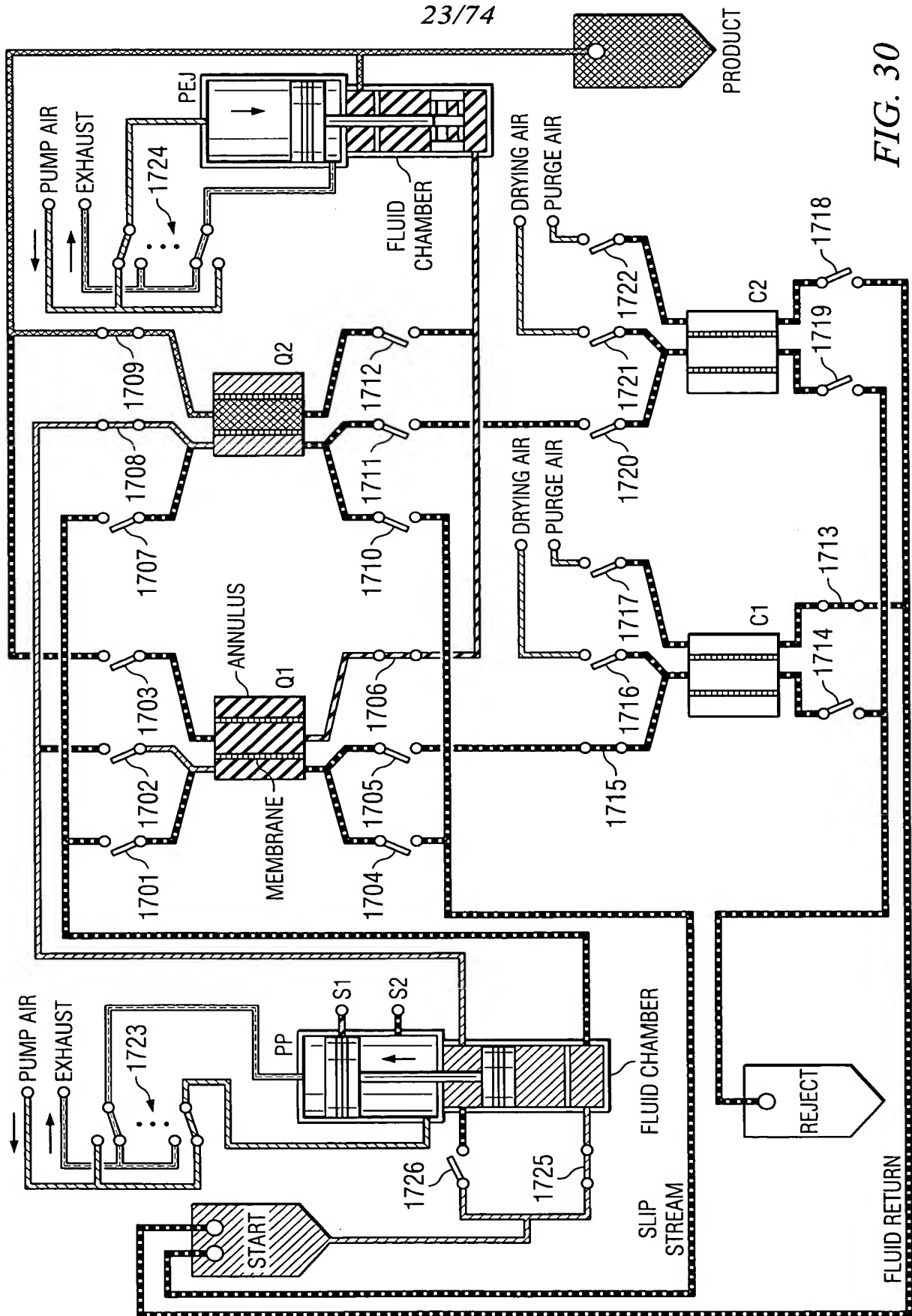


FIG. 30





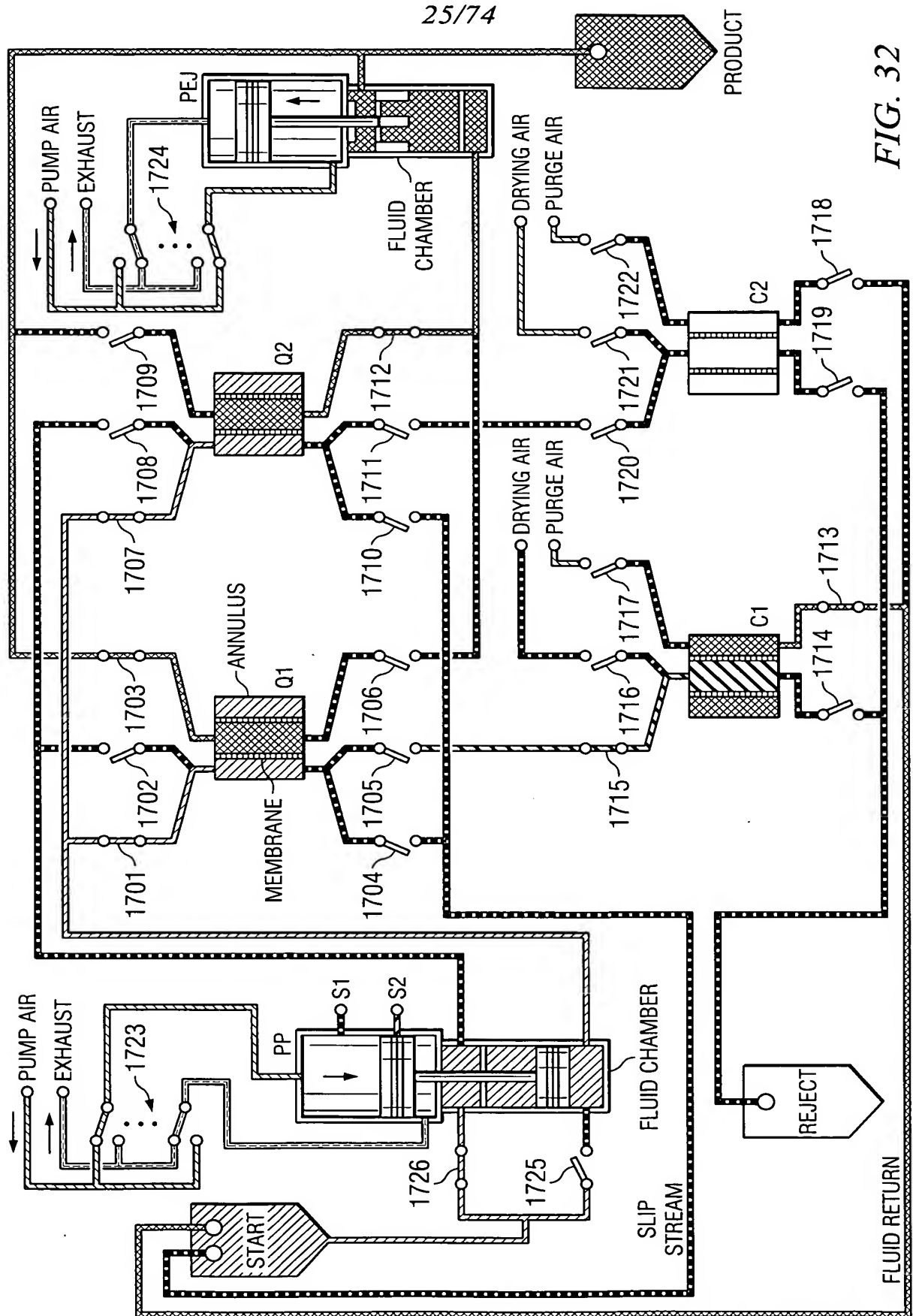


FIG. 32

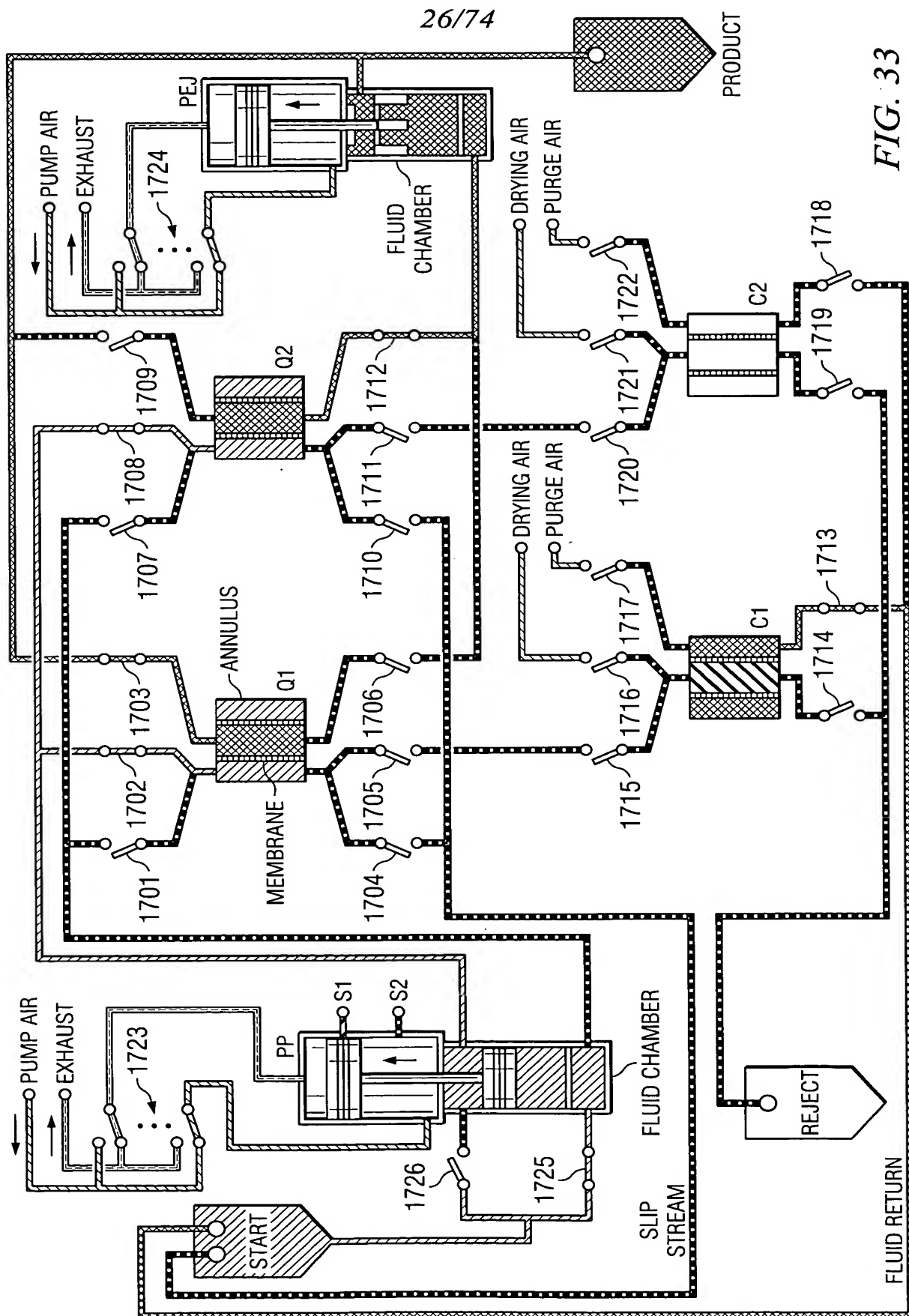


FIG. 33

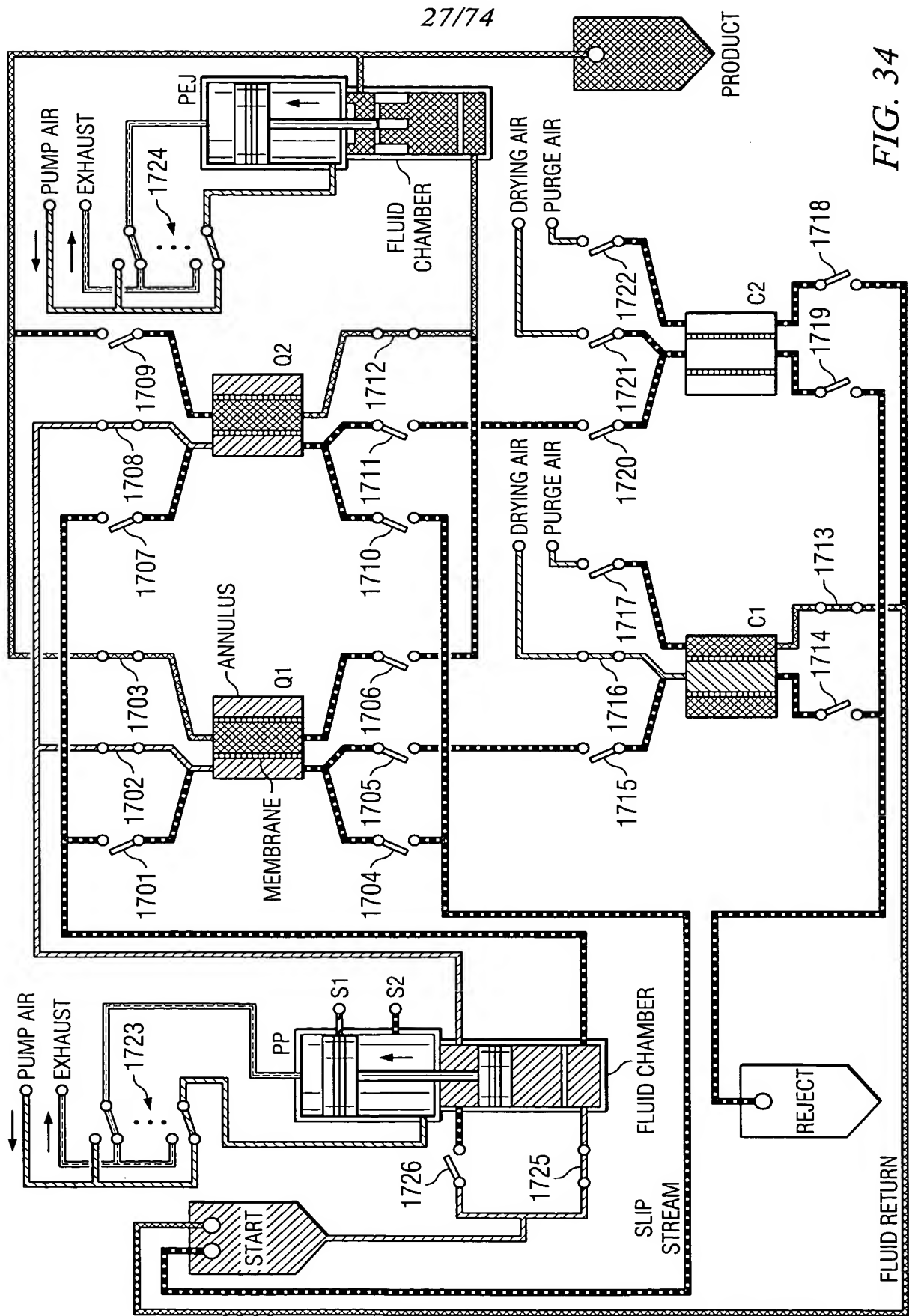


FIG. 34

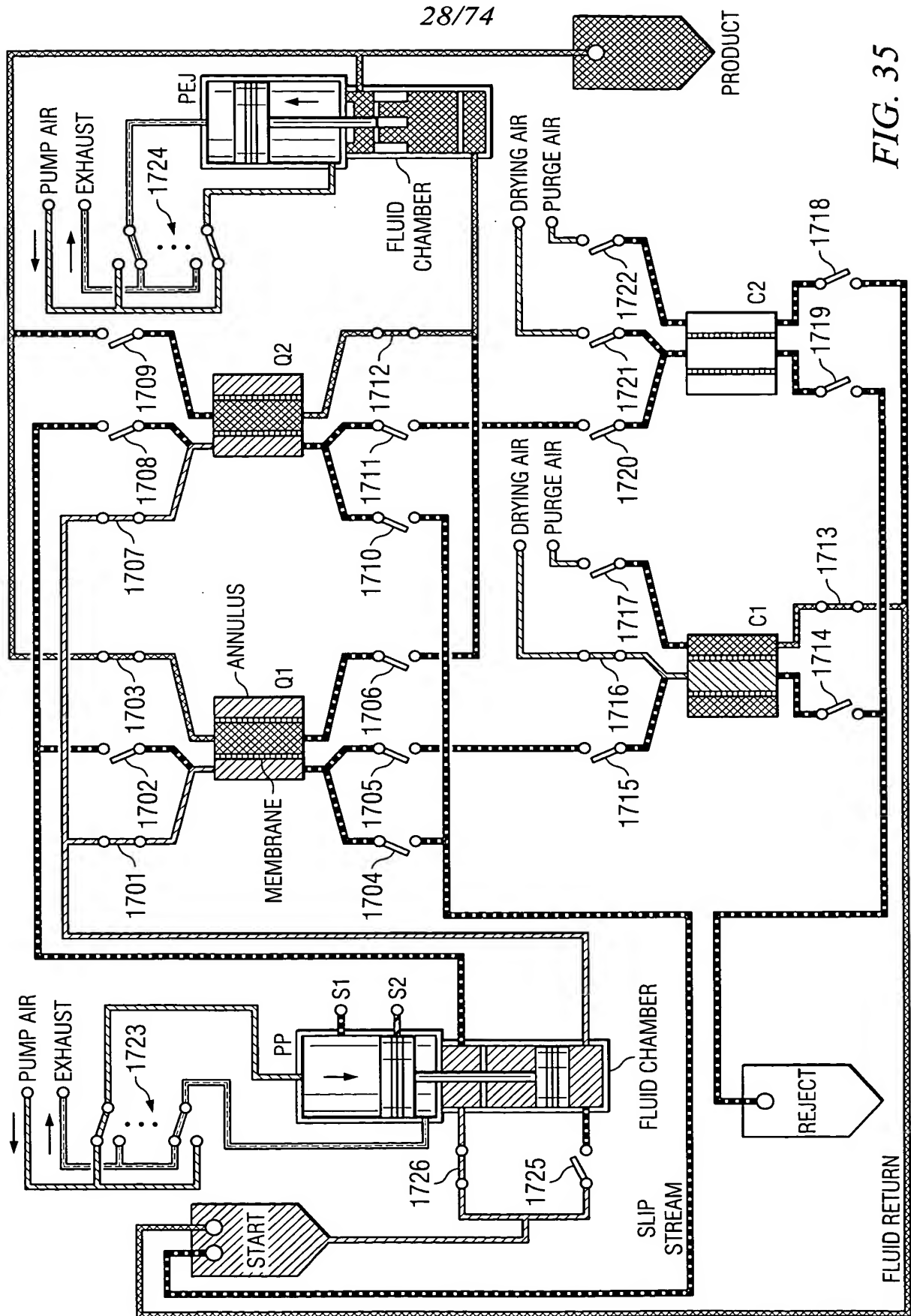


FIG. 35

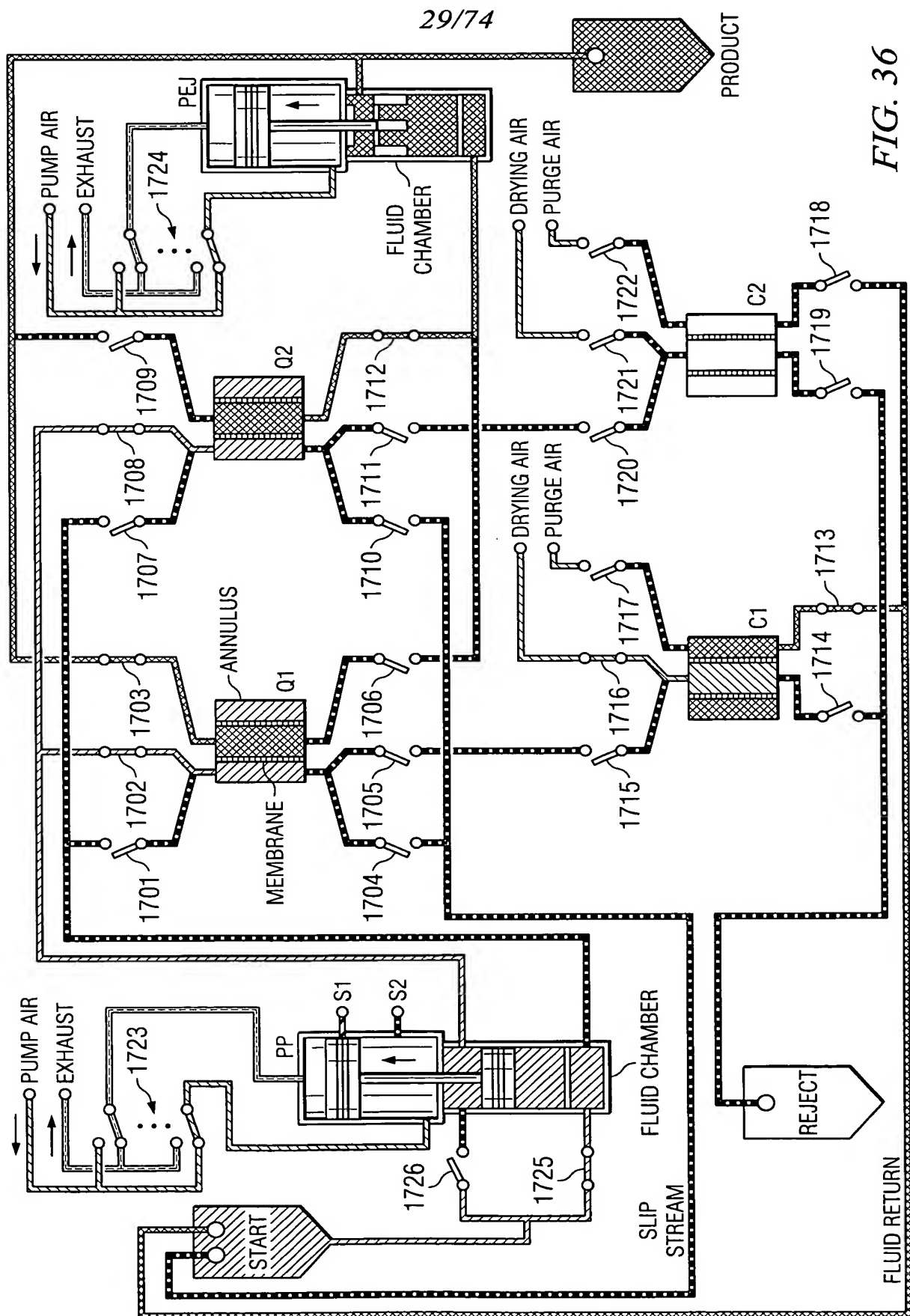


FIG. 36

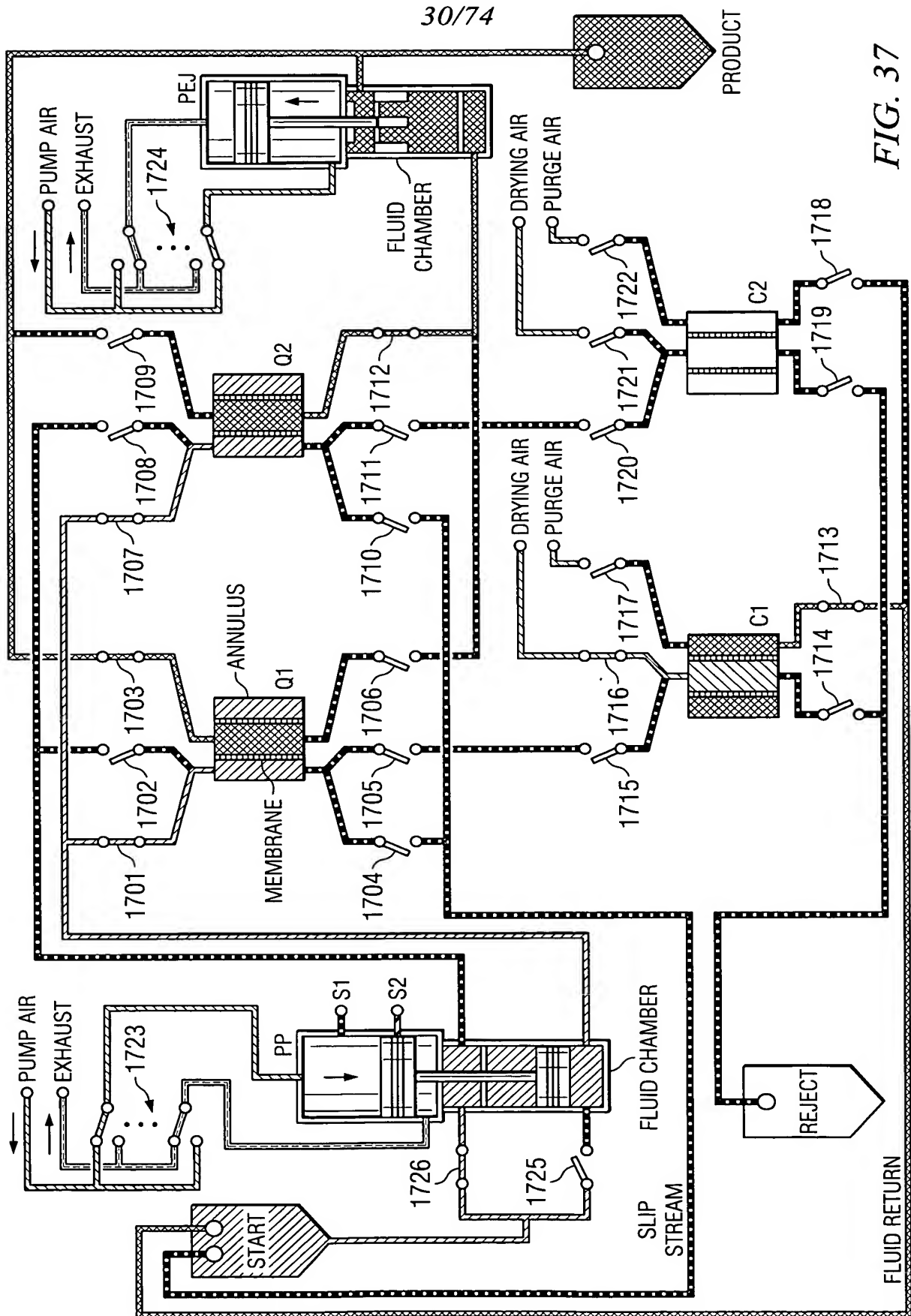


FIG. 37

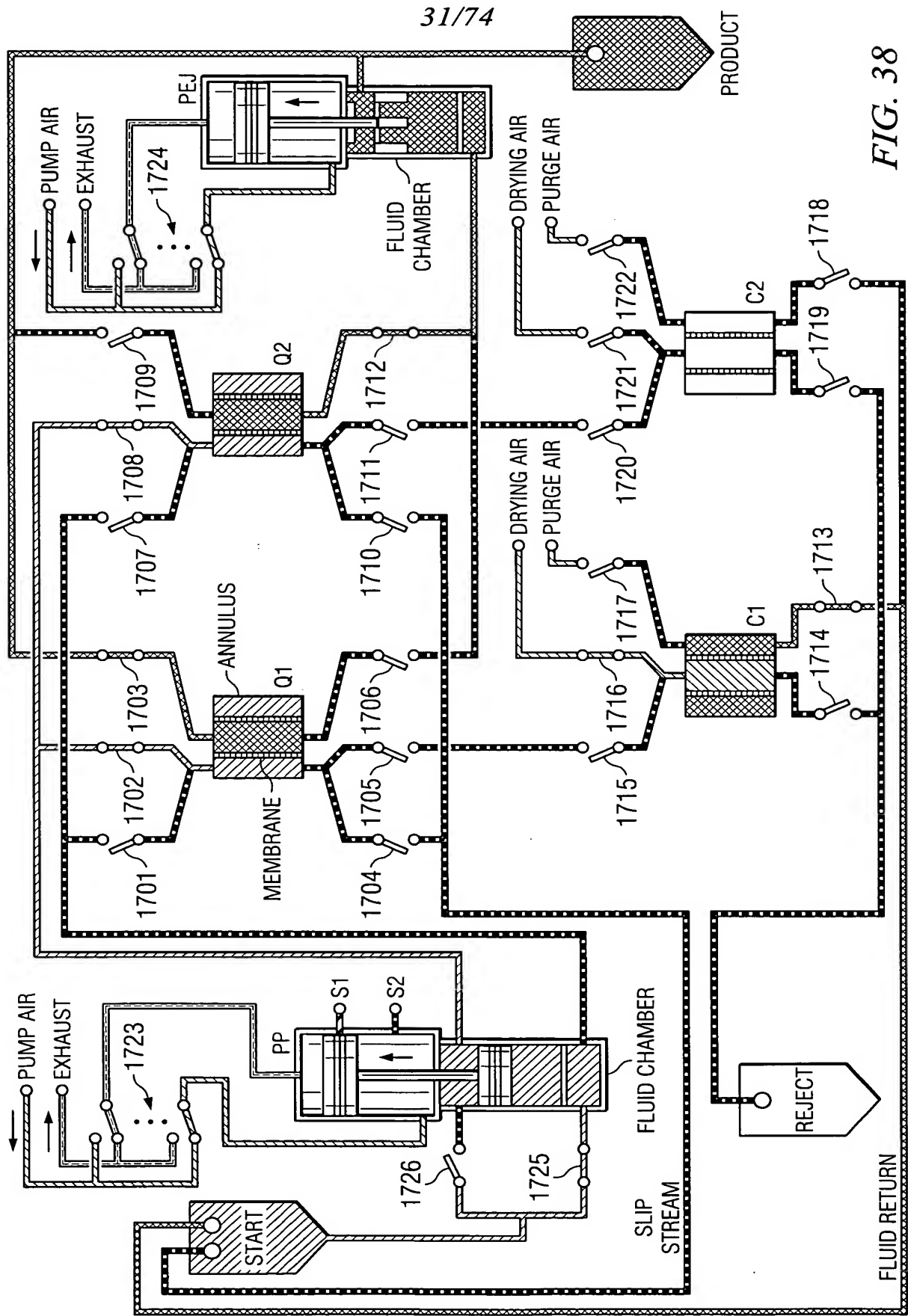


FIG. 38

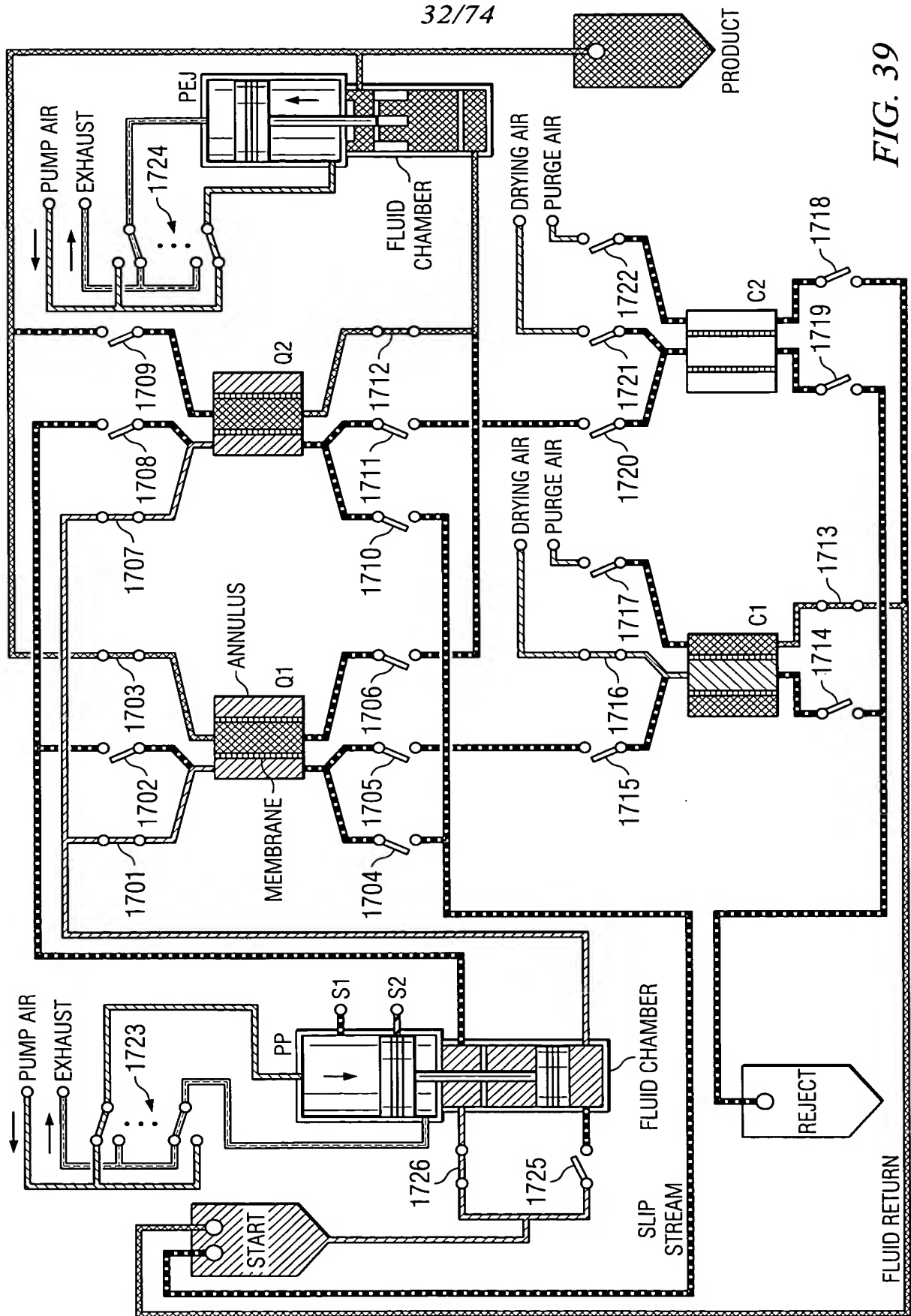
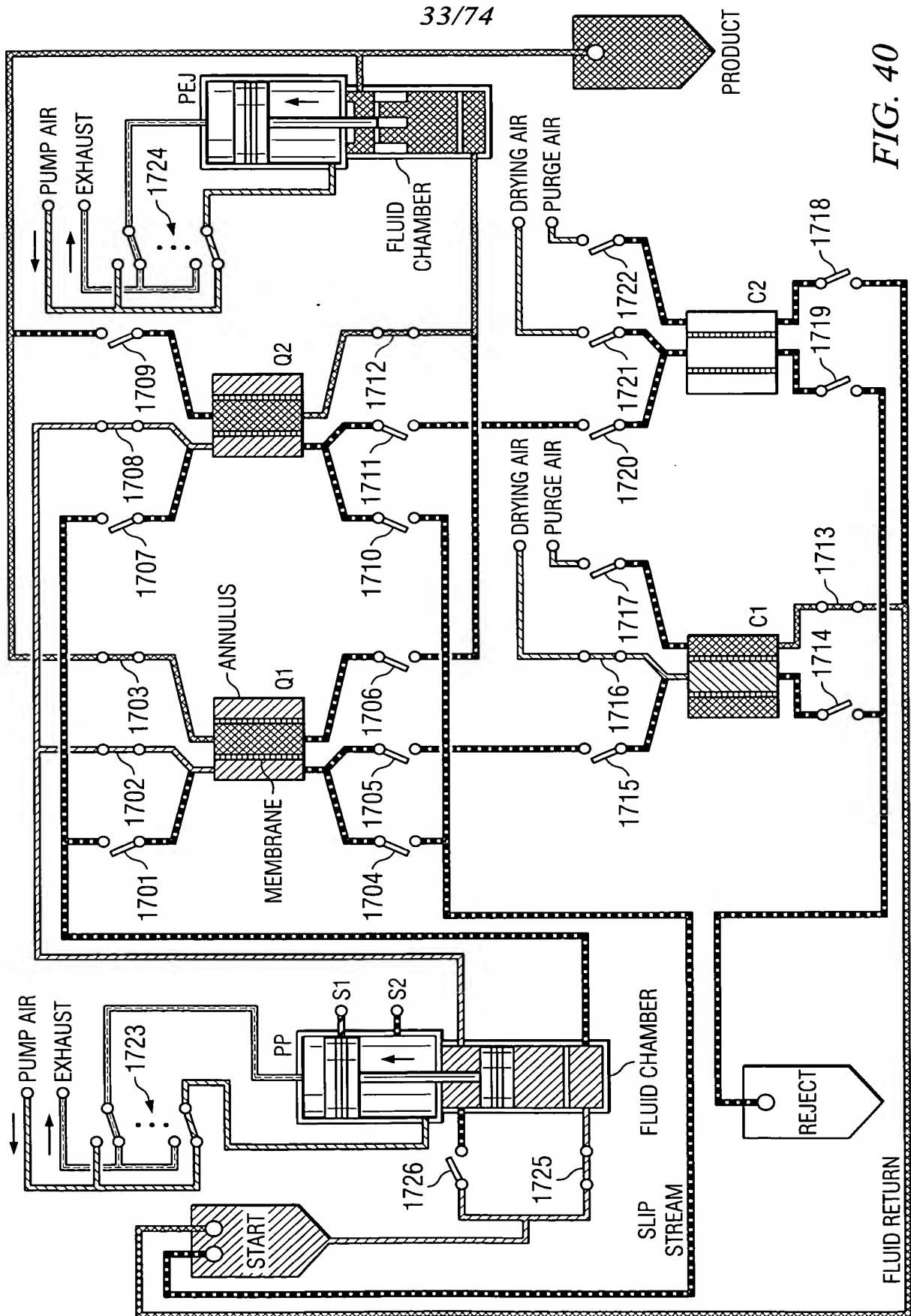


FIG. 39





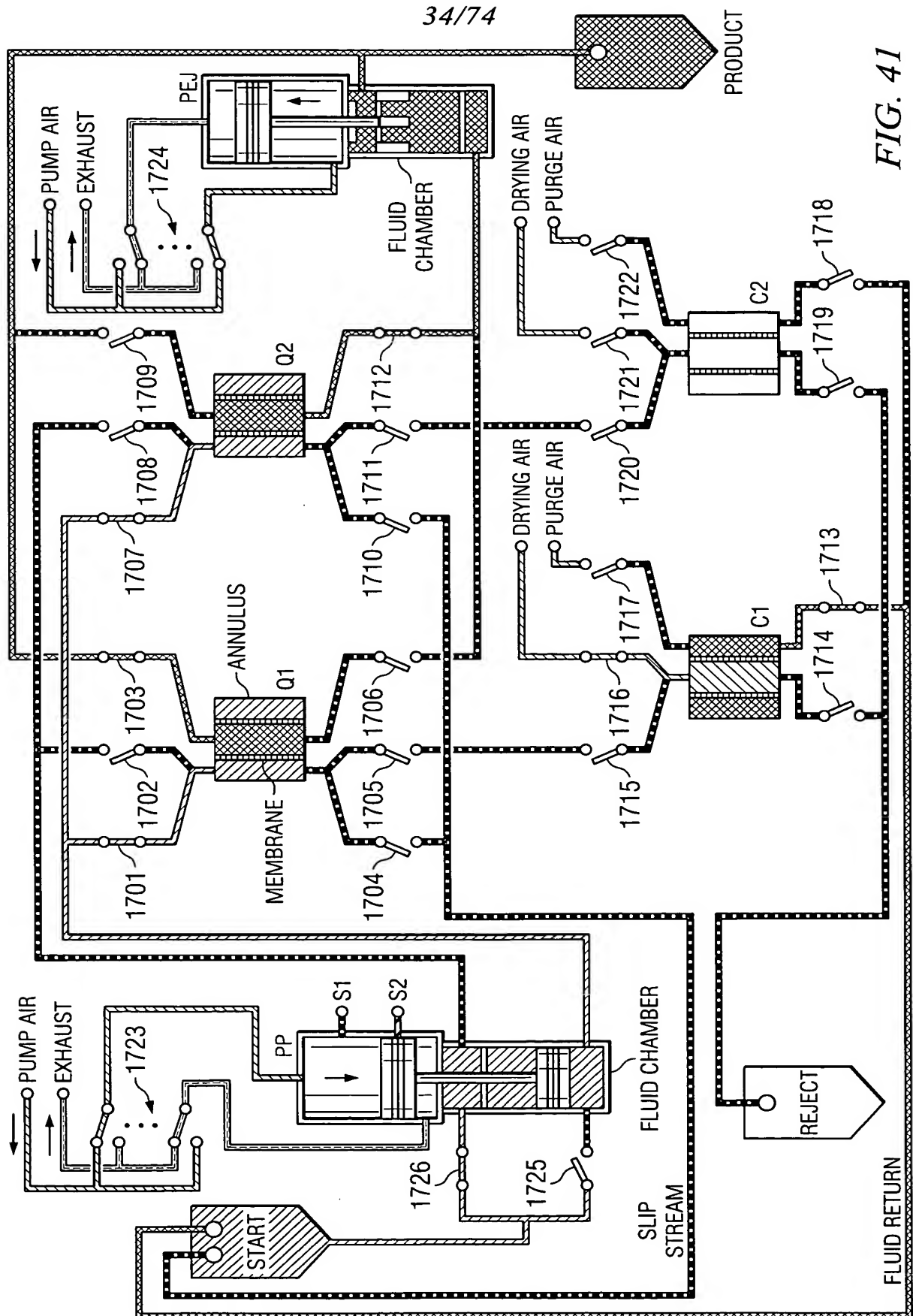


FIG. 41

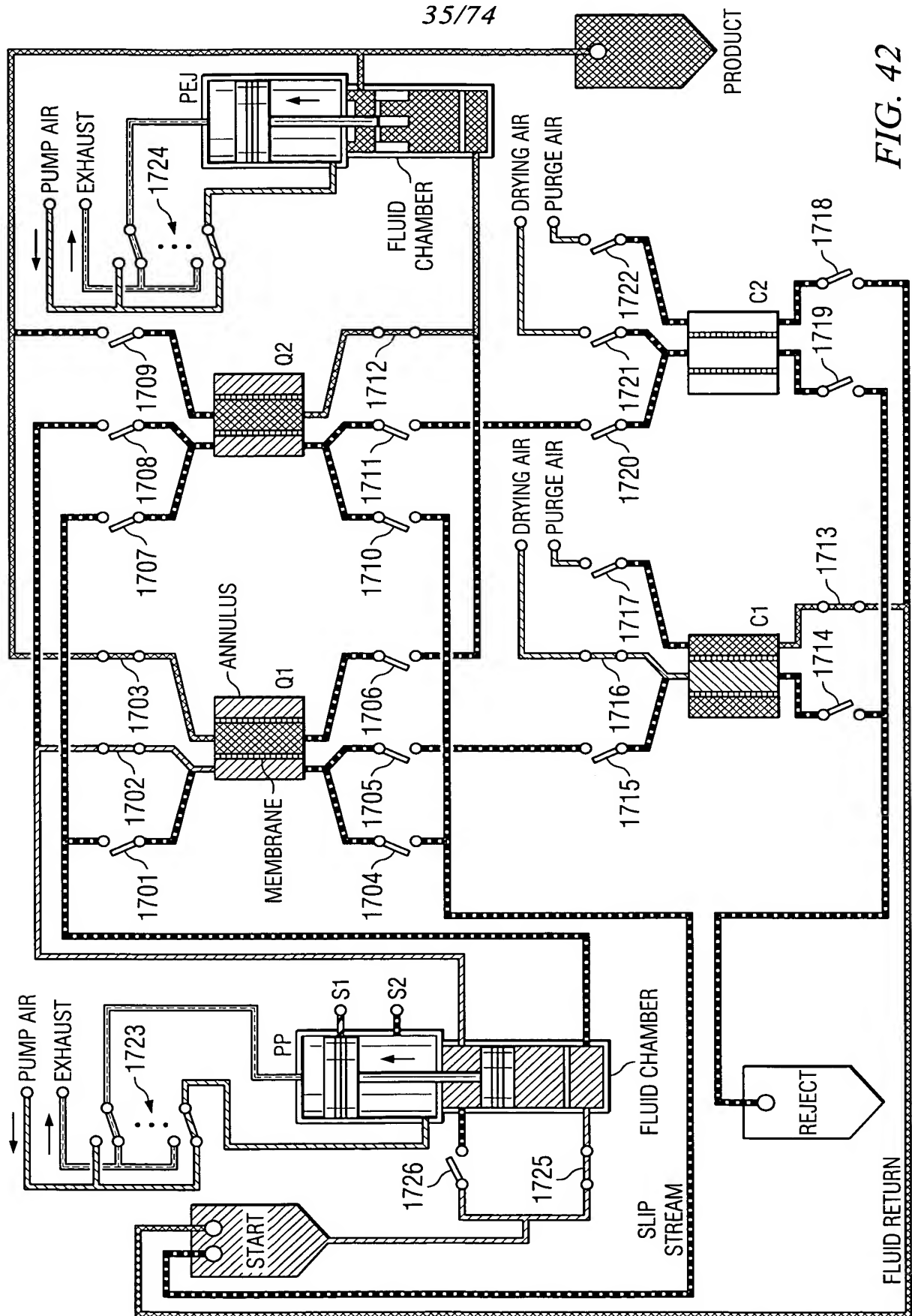
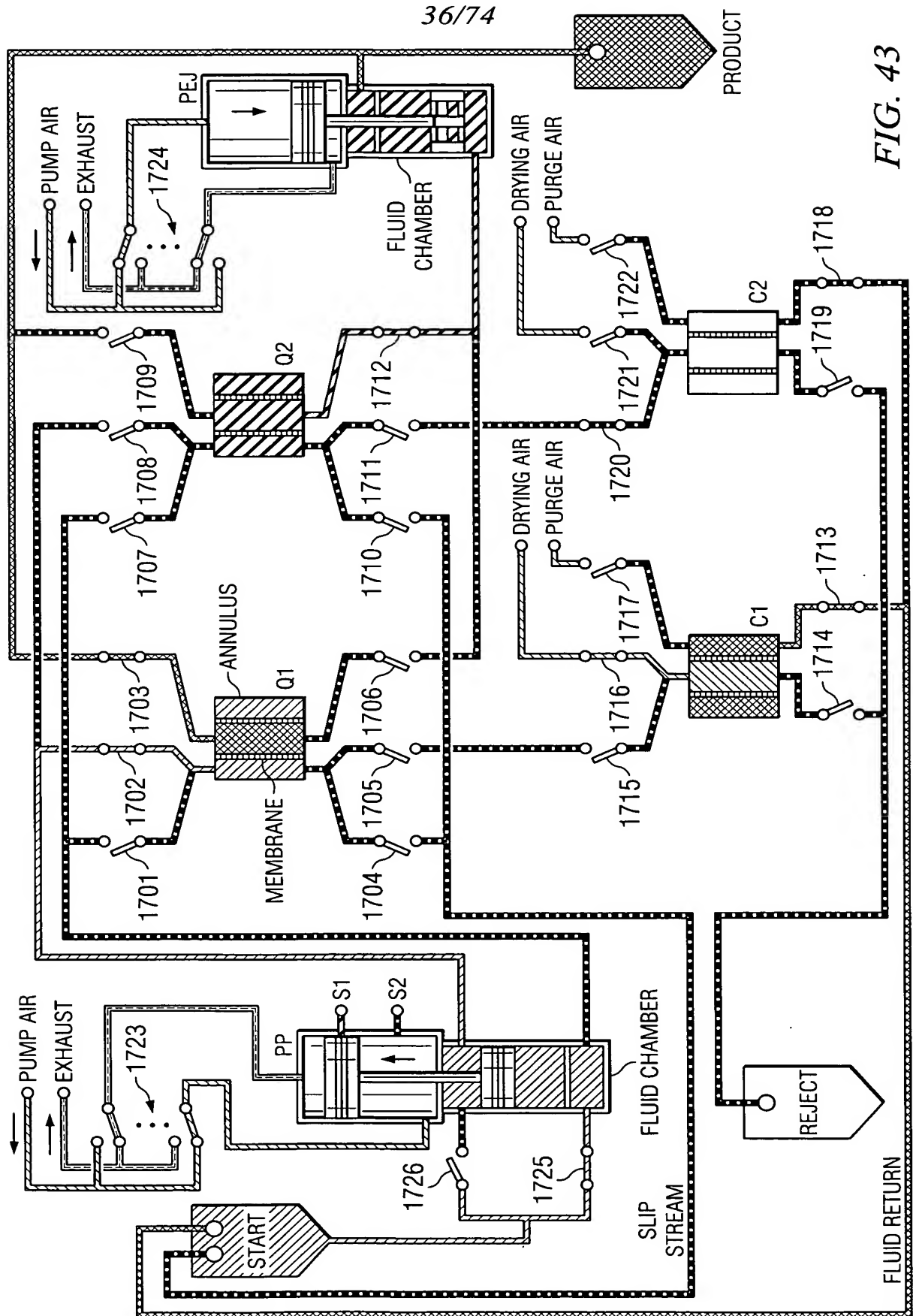
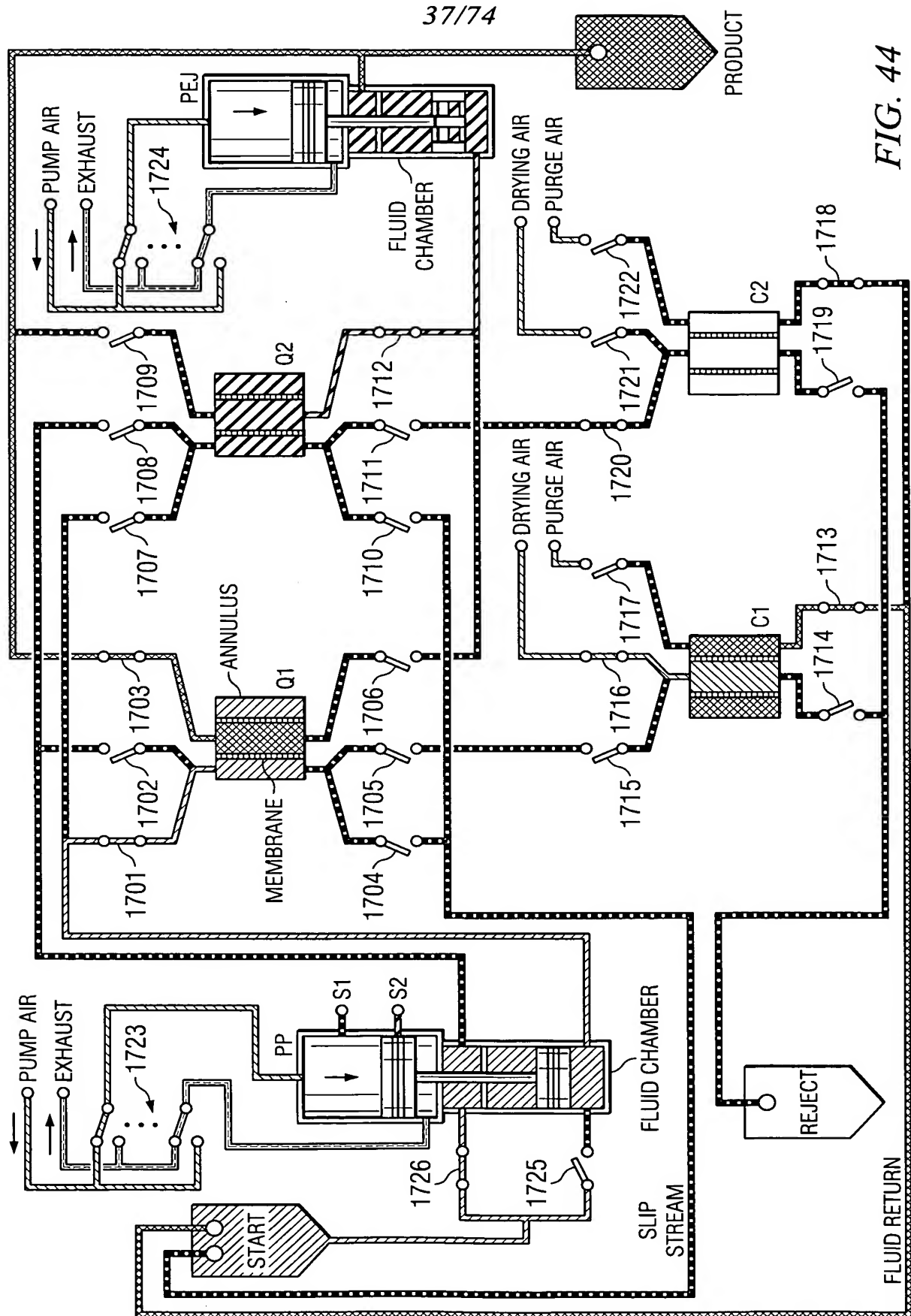


FIG. 42





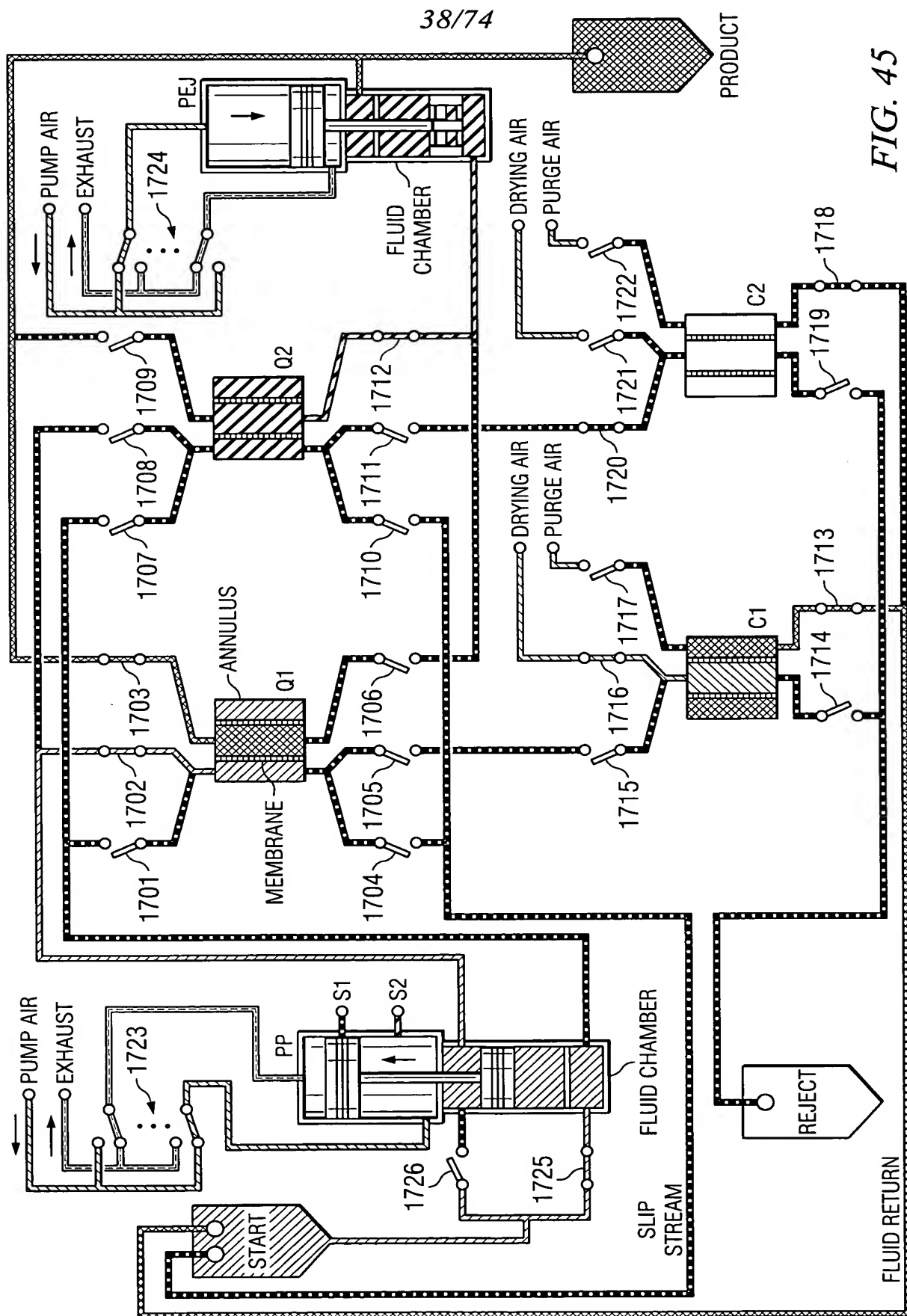


FIG. 45

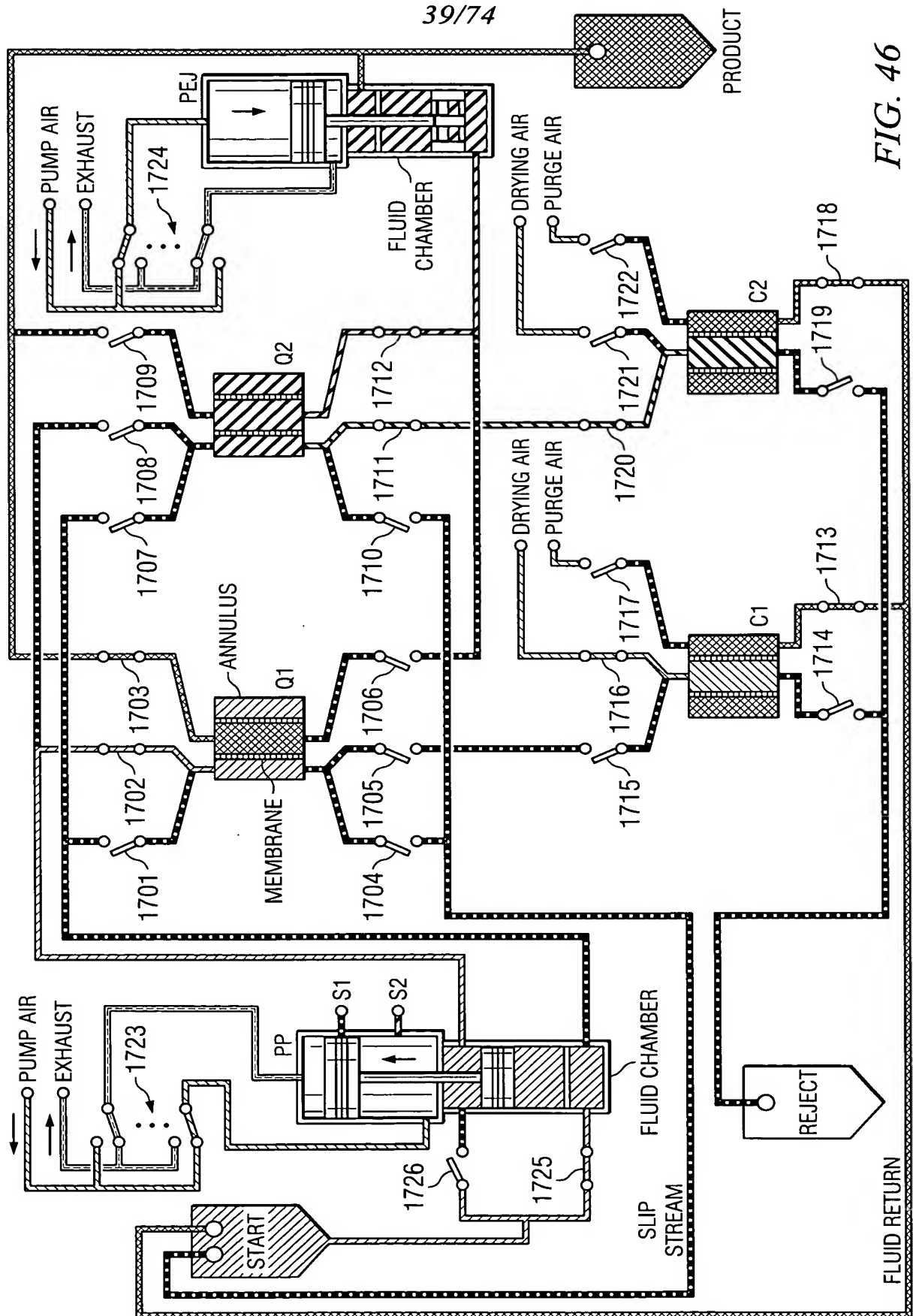


FIG. 46

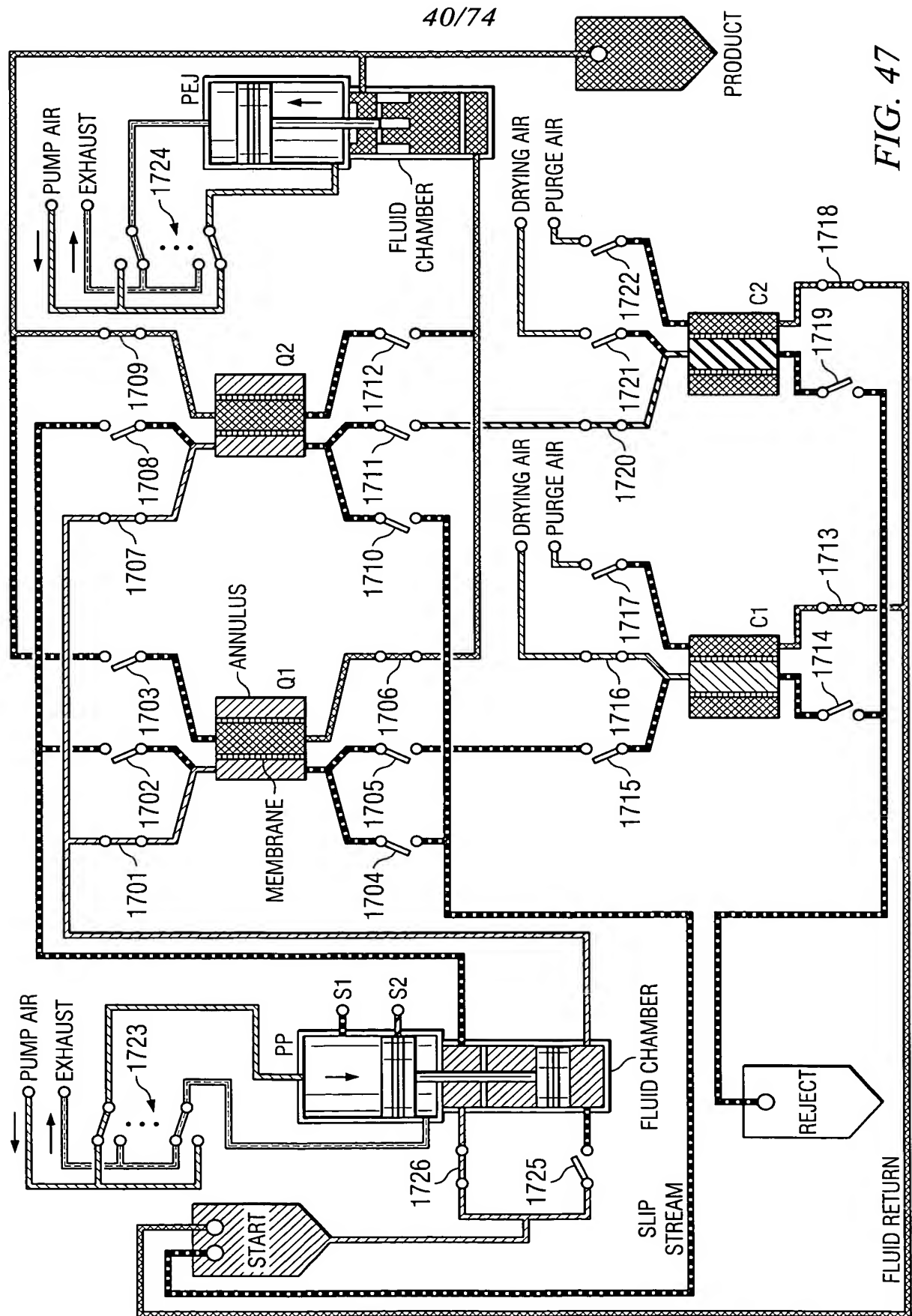


FIG. 47



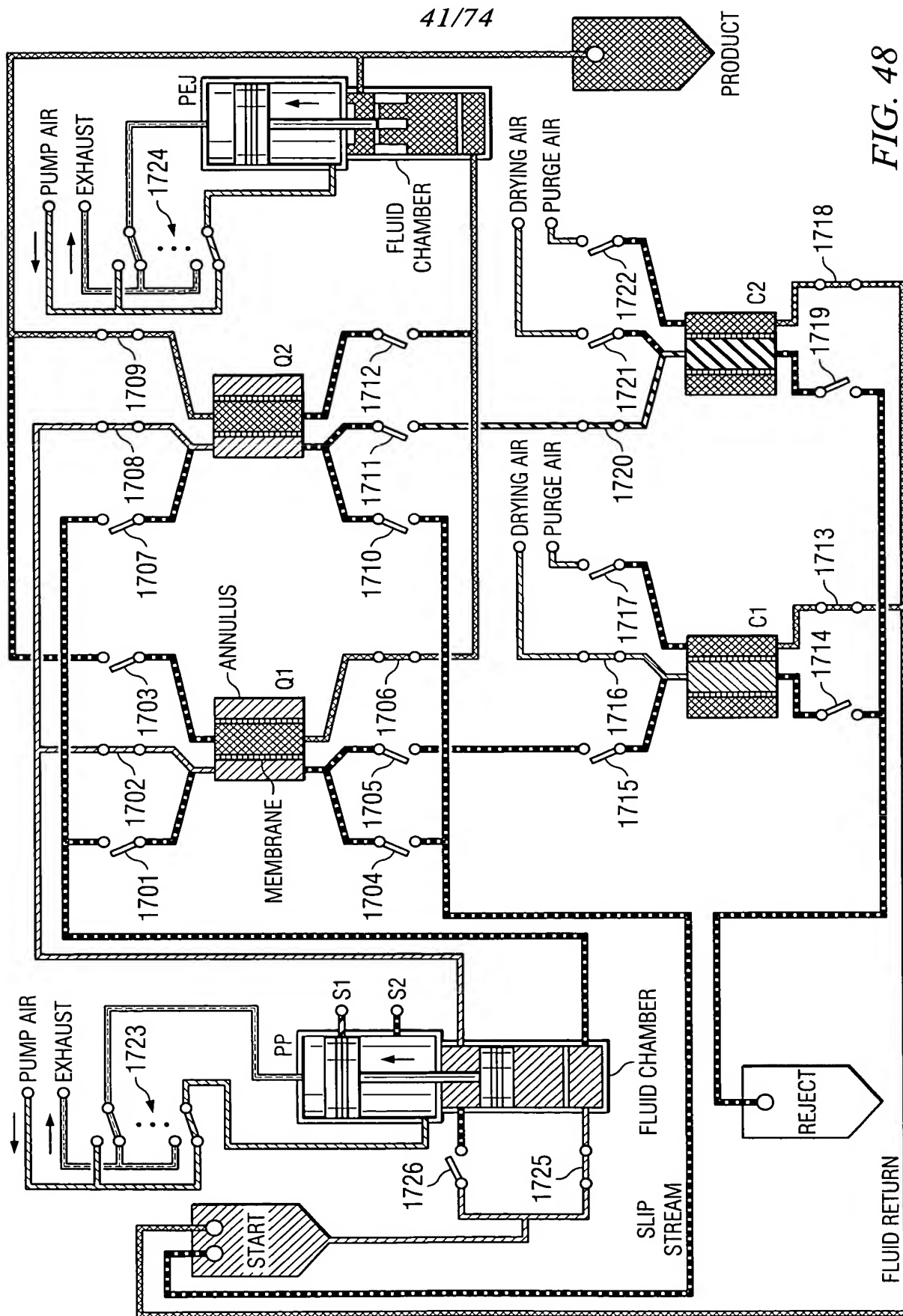
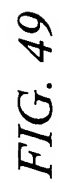


FIG. 48



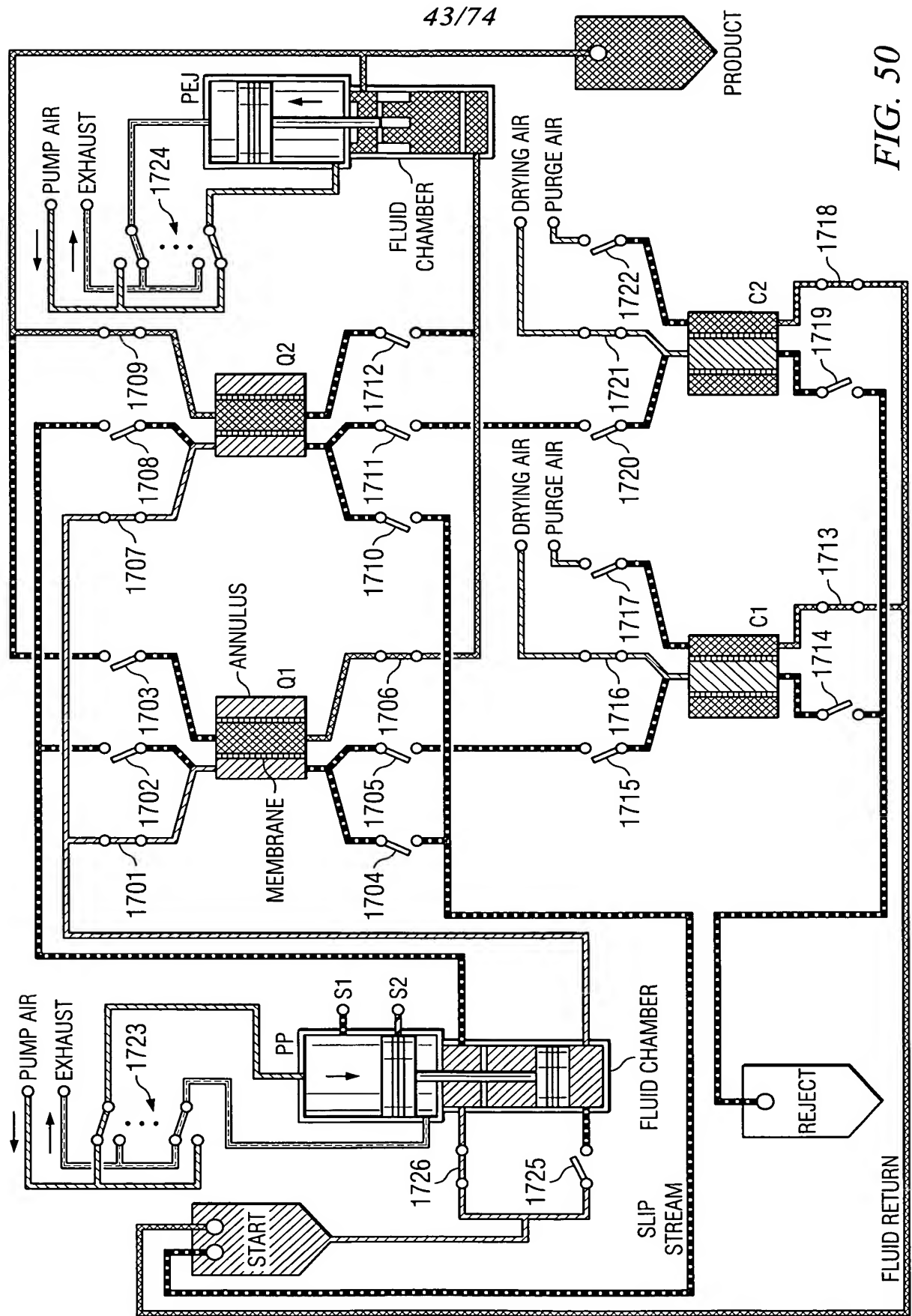


FIG. 50

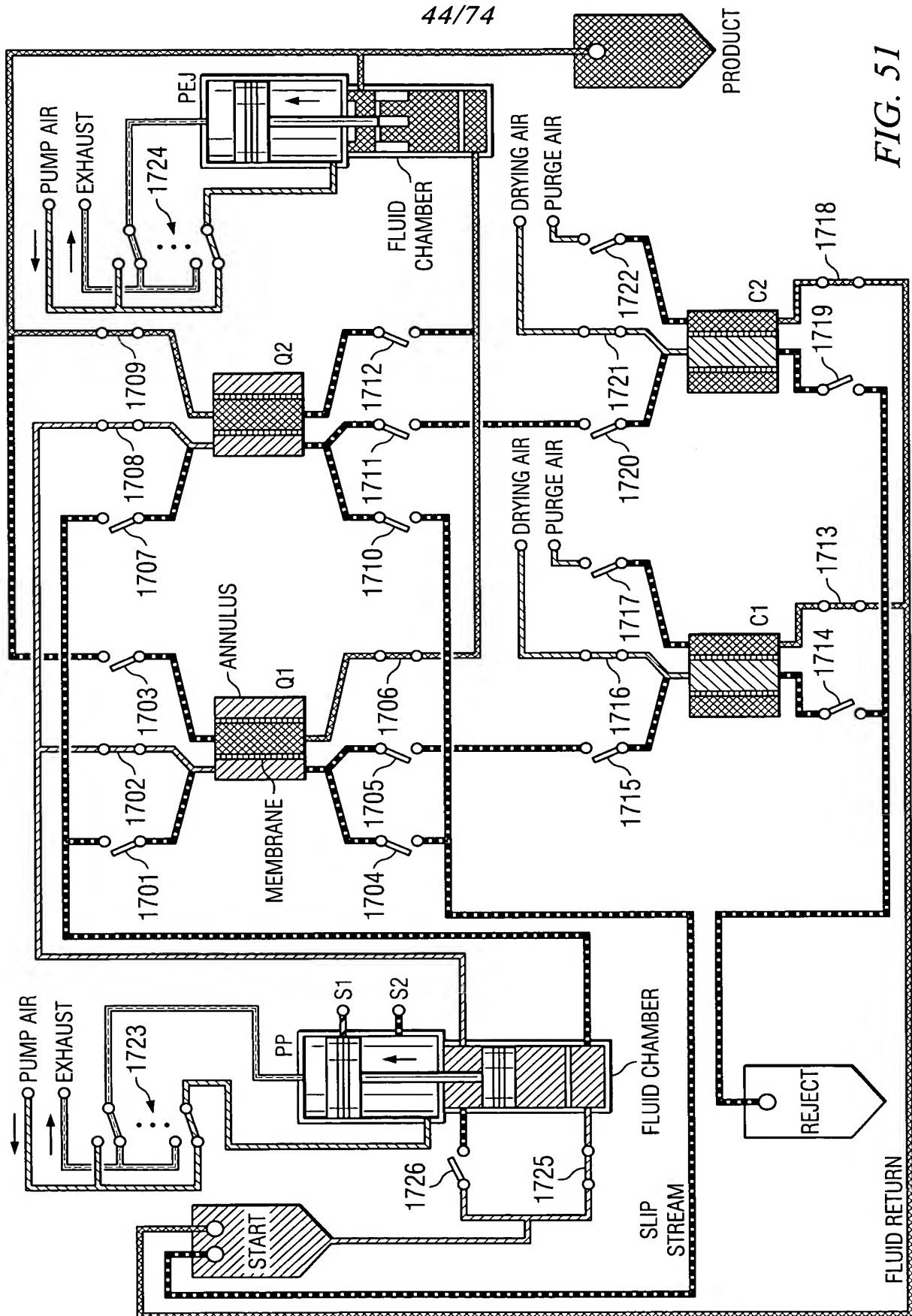


FIG. 51

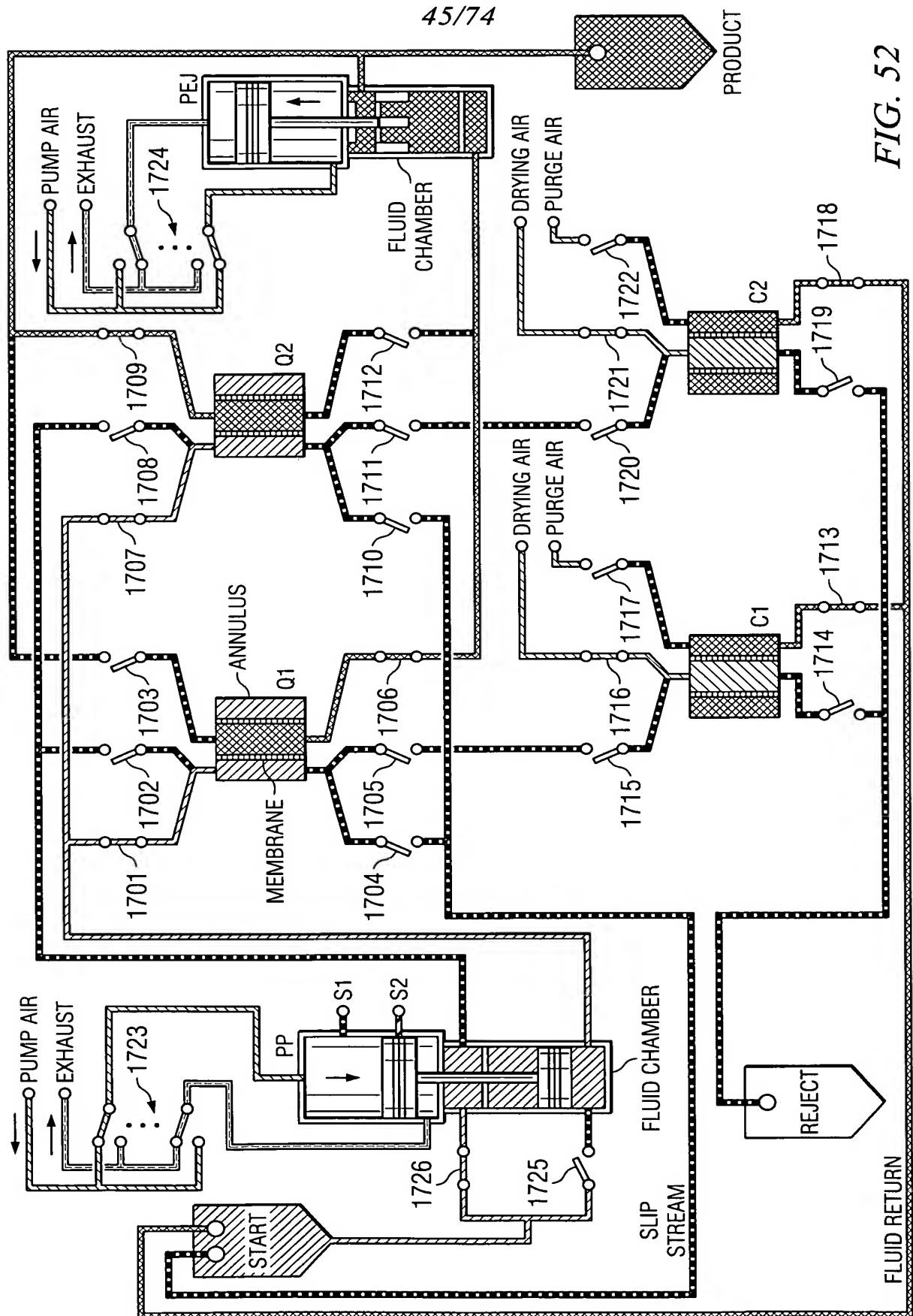


FIG. 52

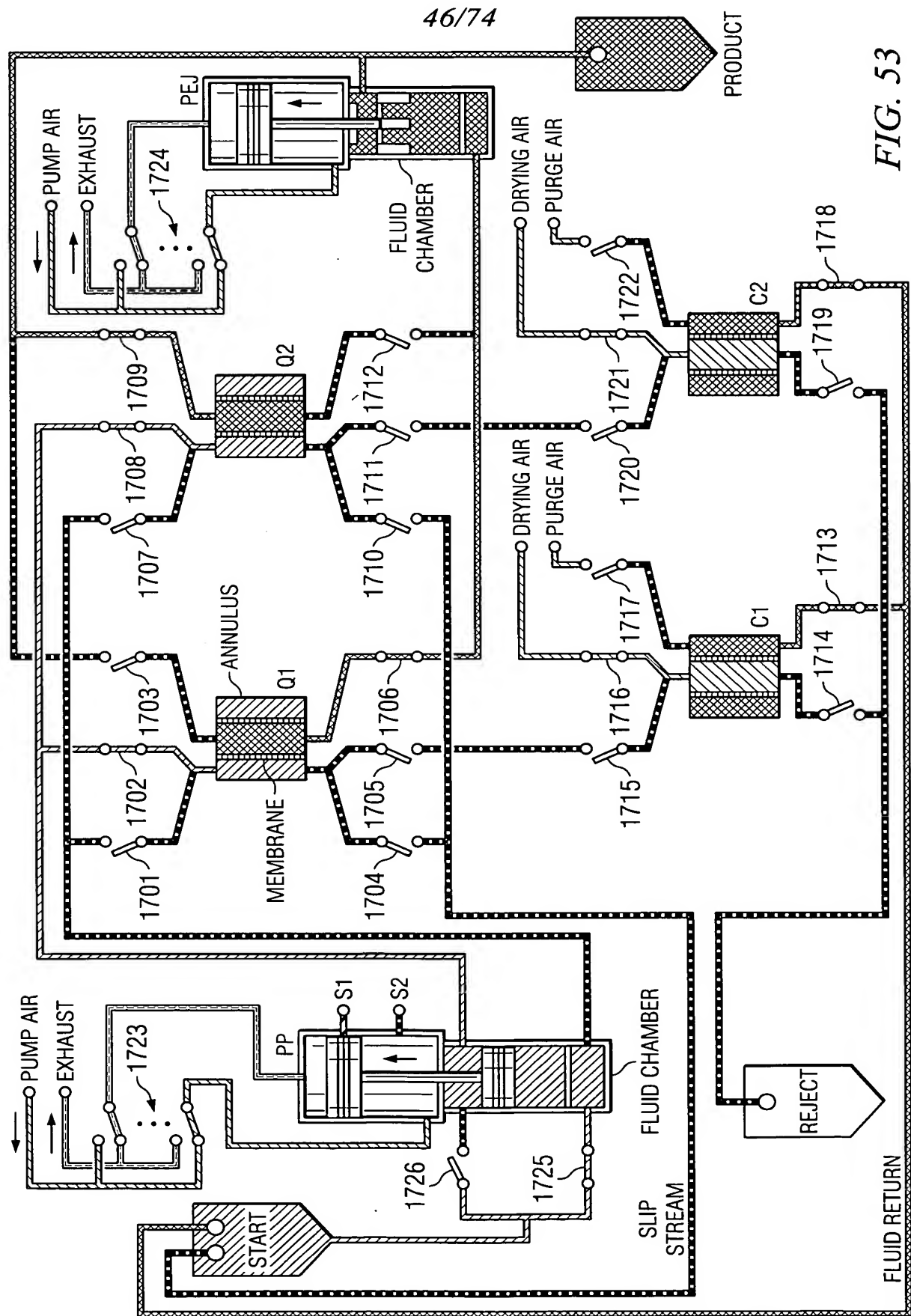


FIG. 53

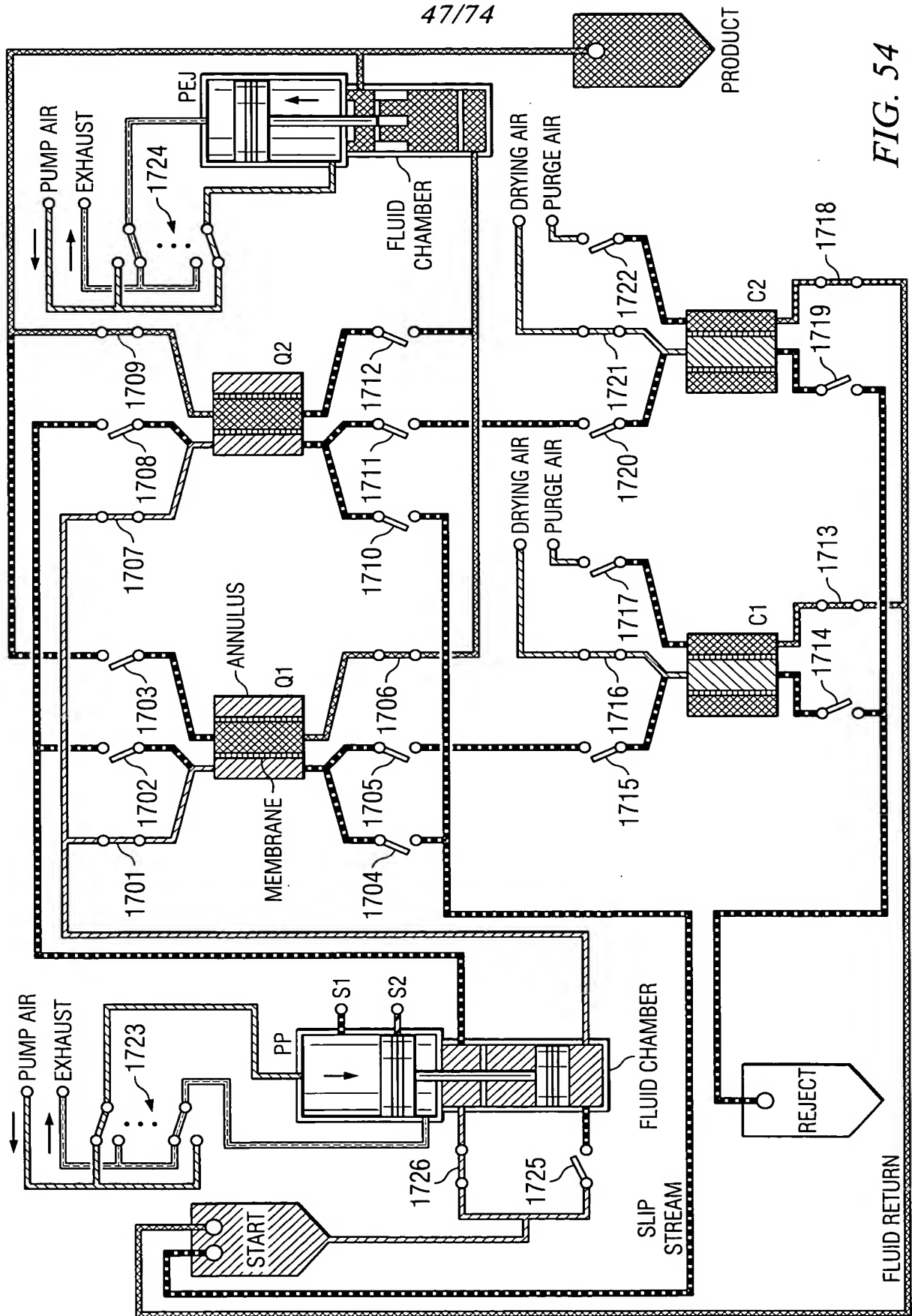
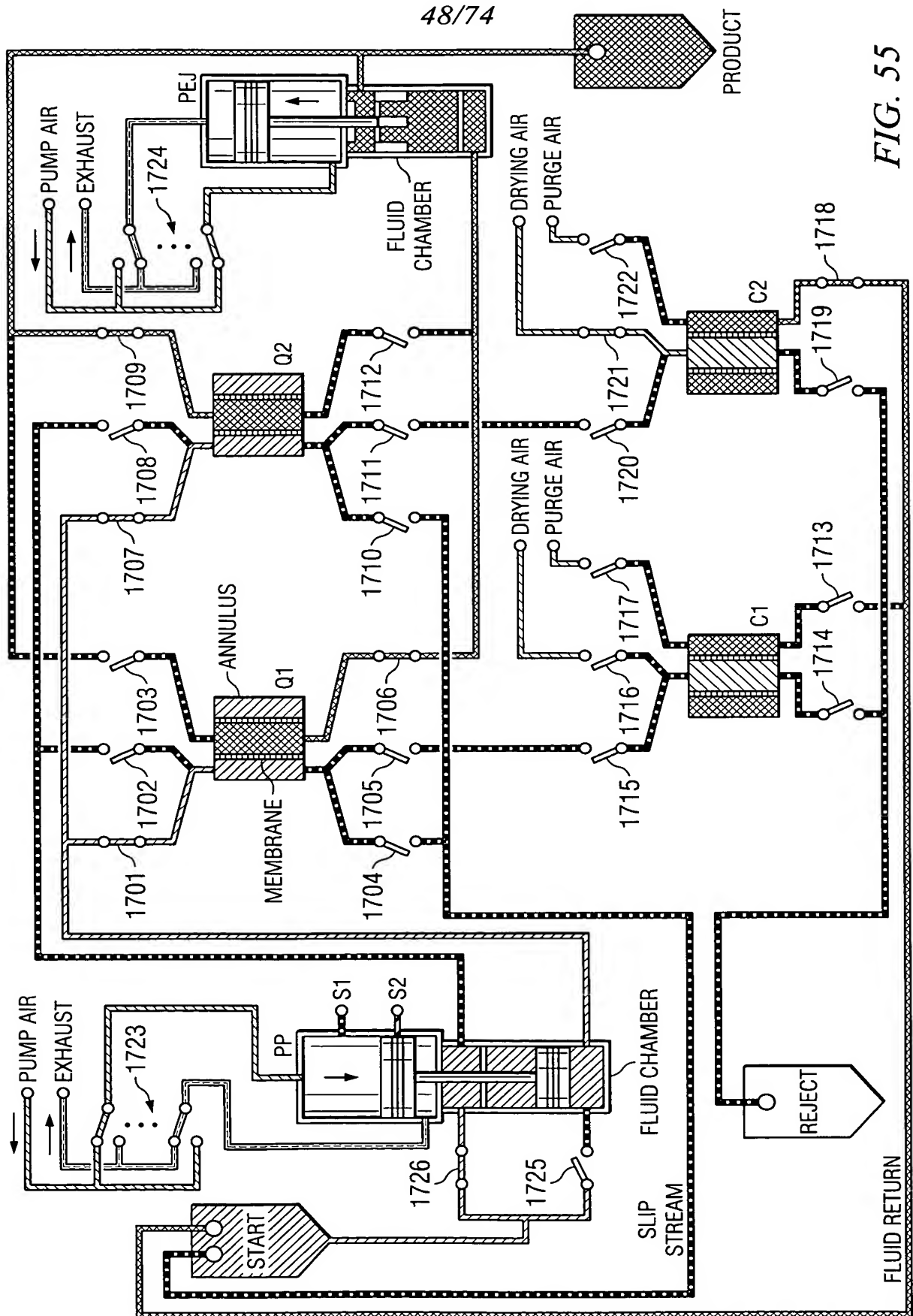


FIG. 54





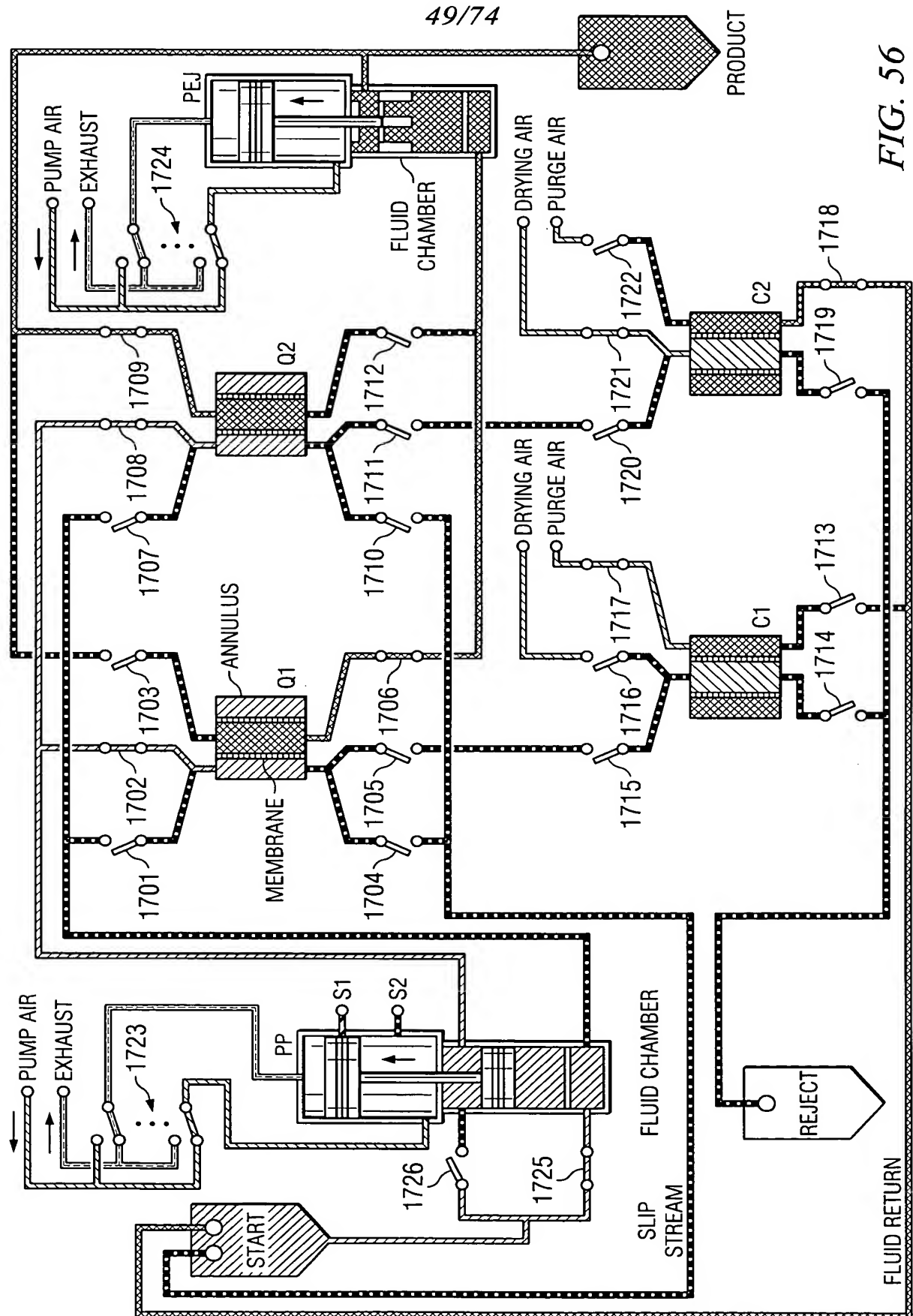


FIG. 56

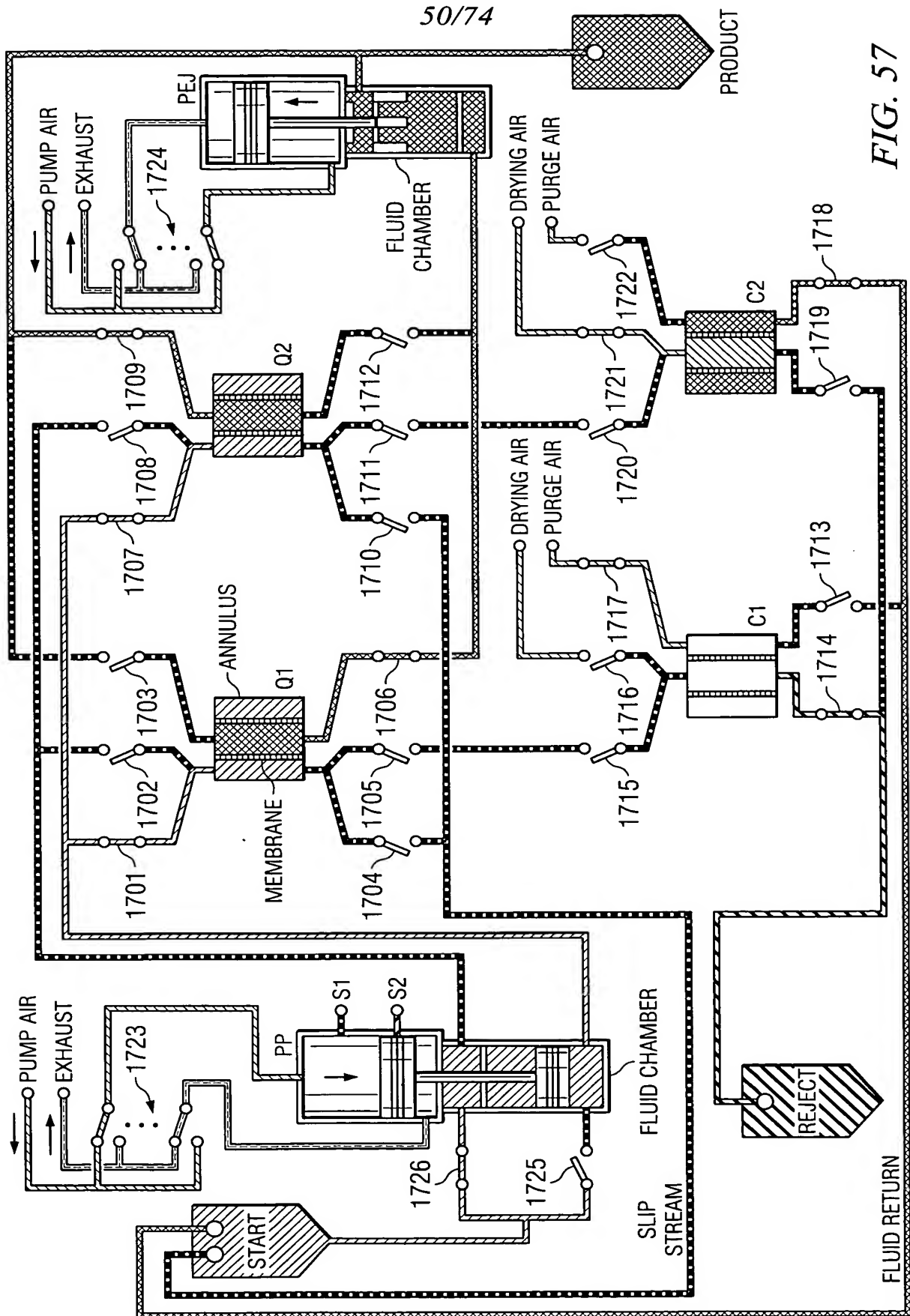


FIG. 57

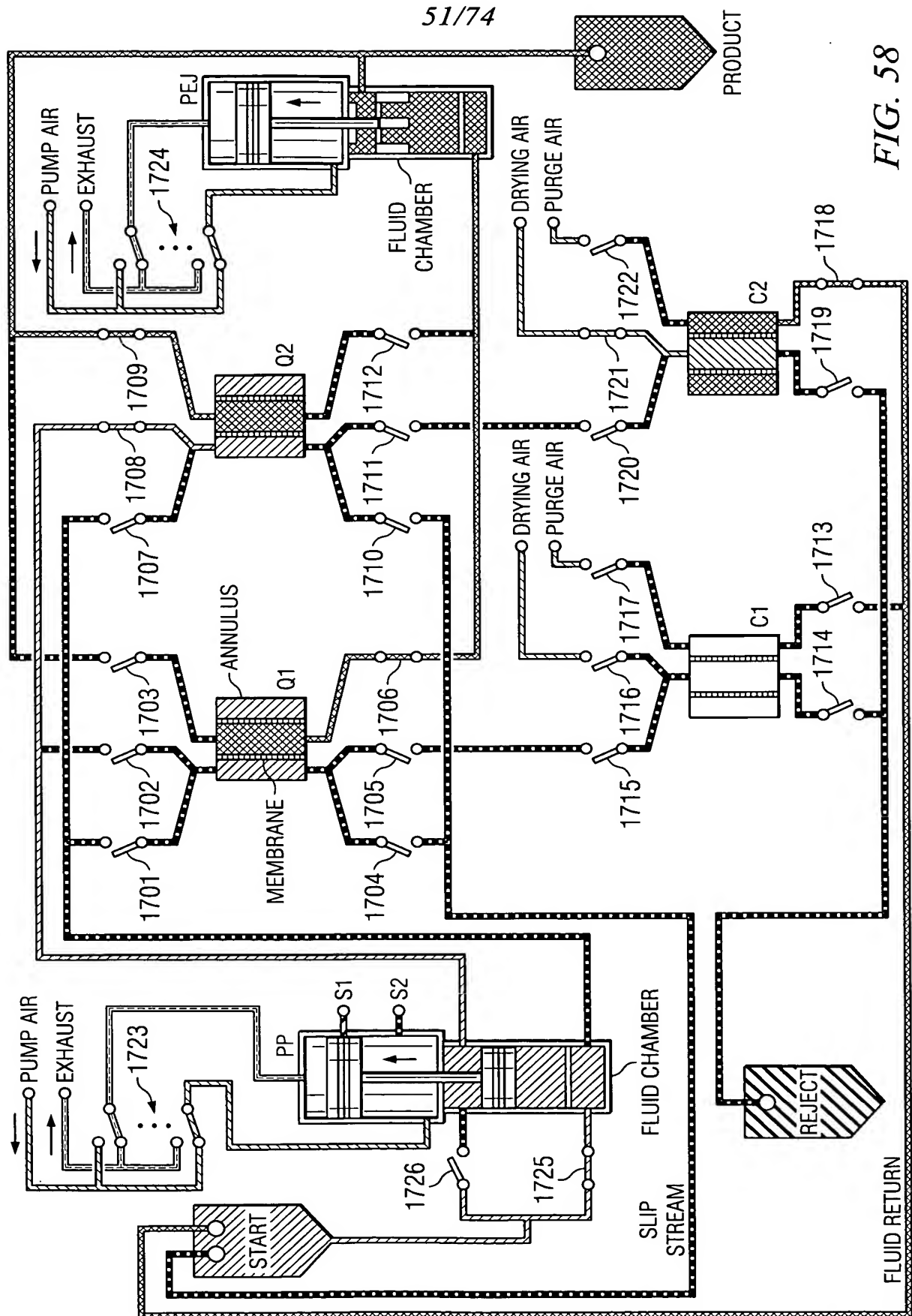


FIG. 58

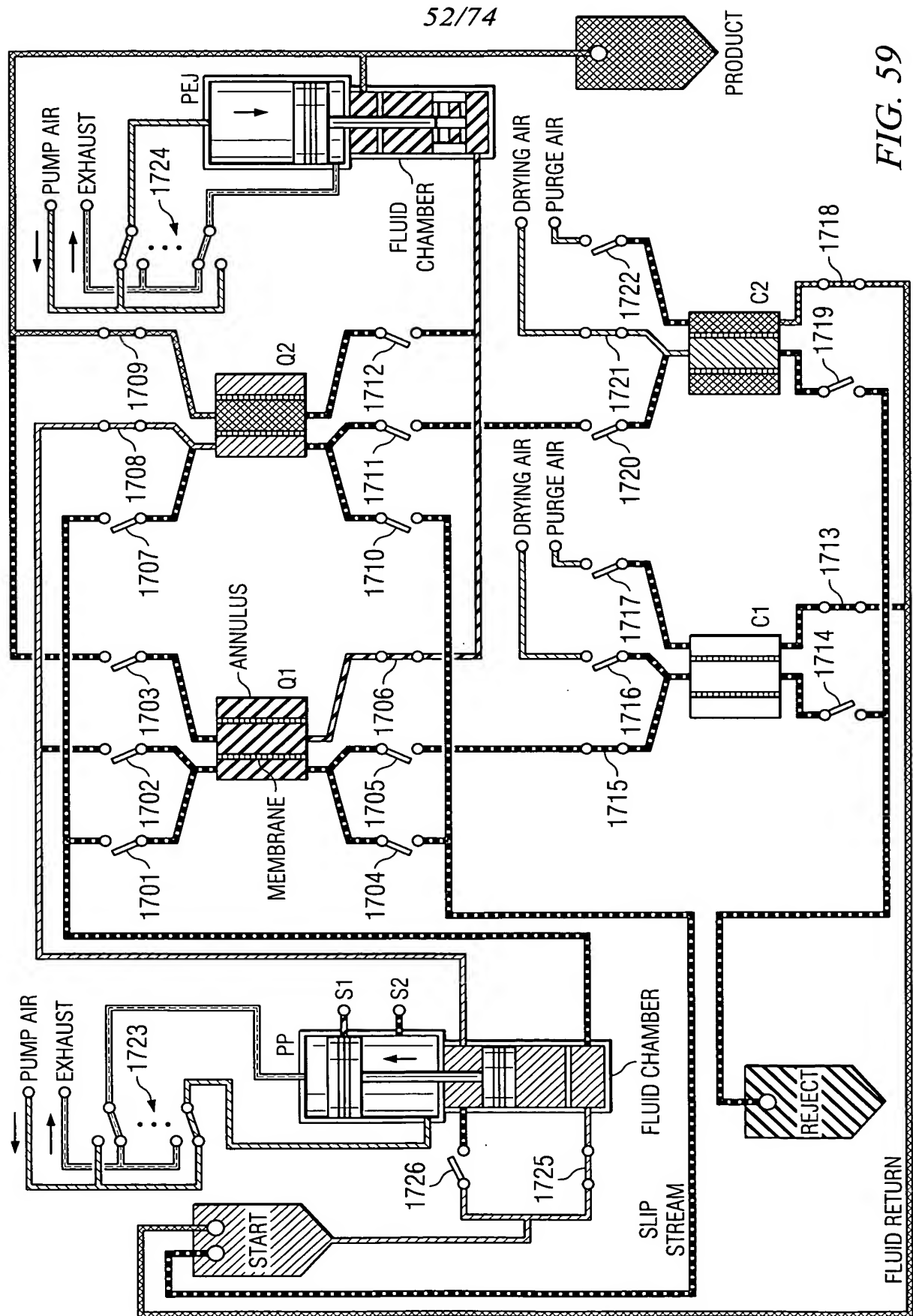


FIG. 59

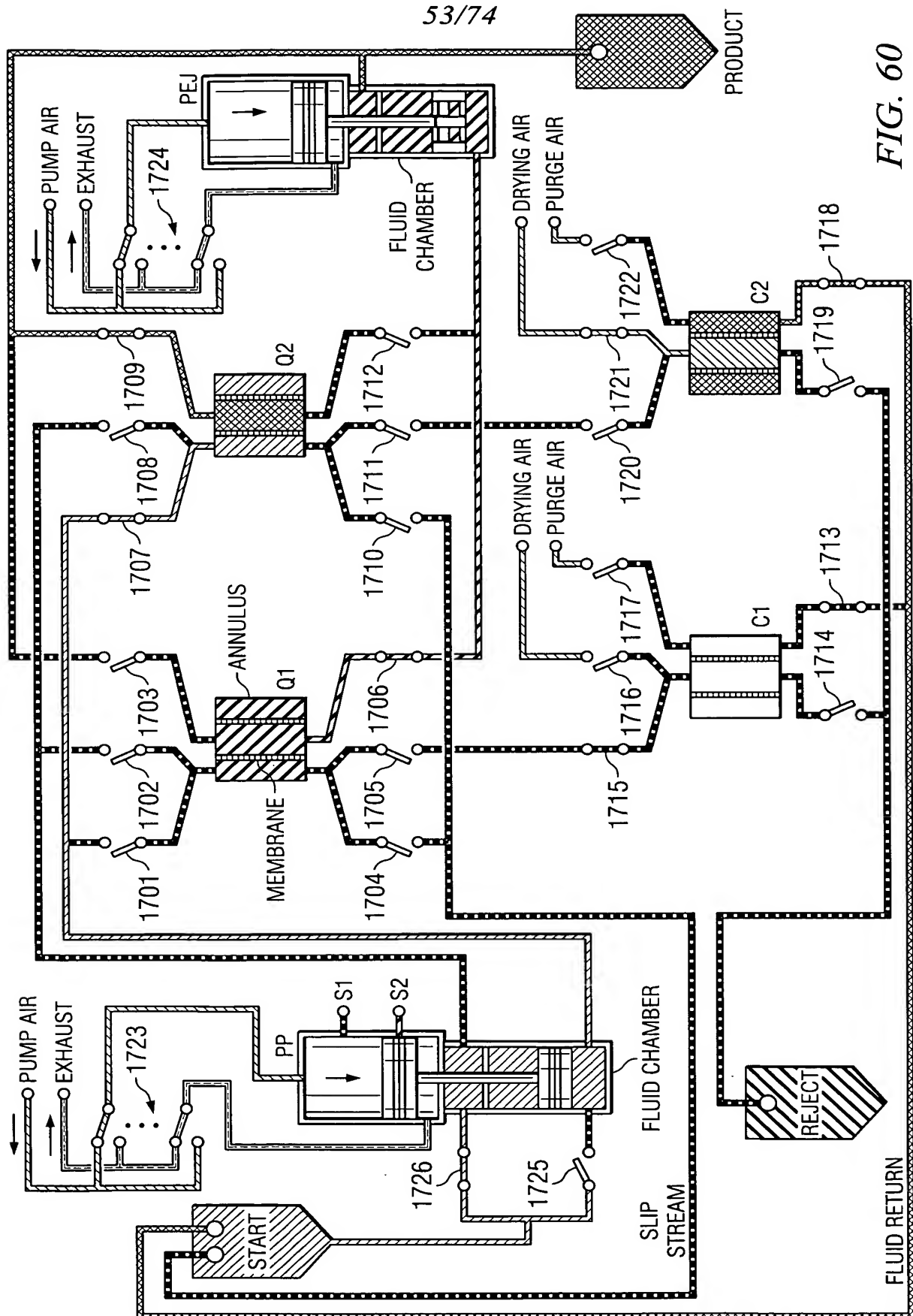
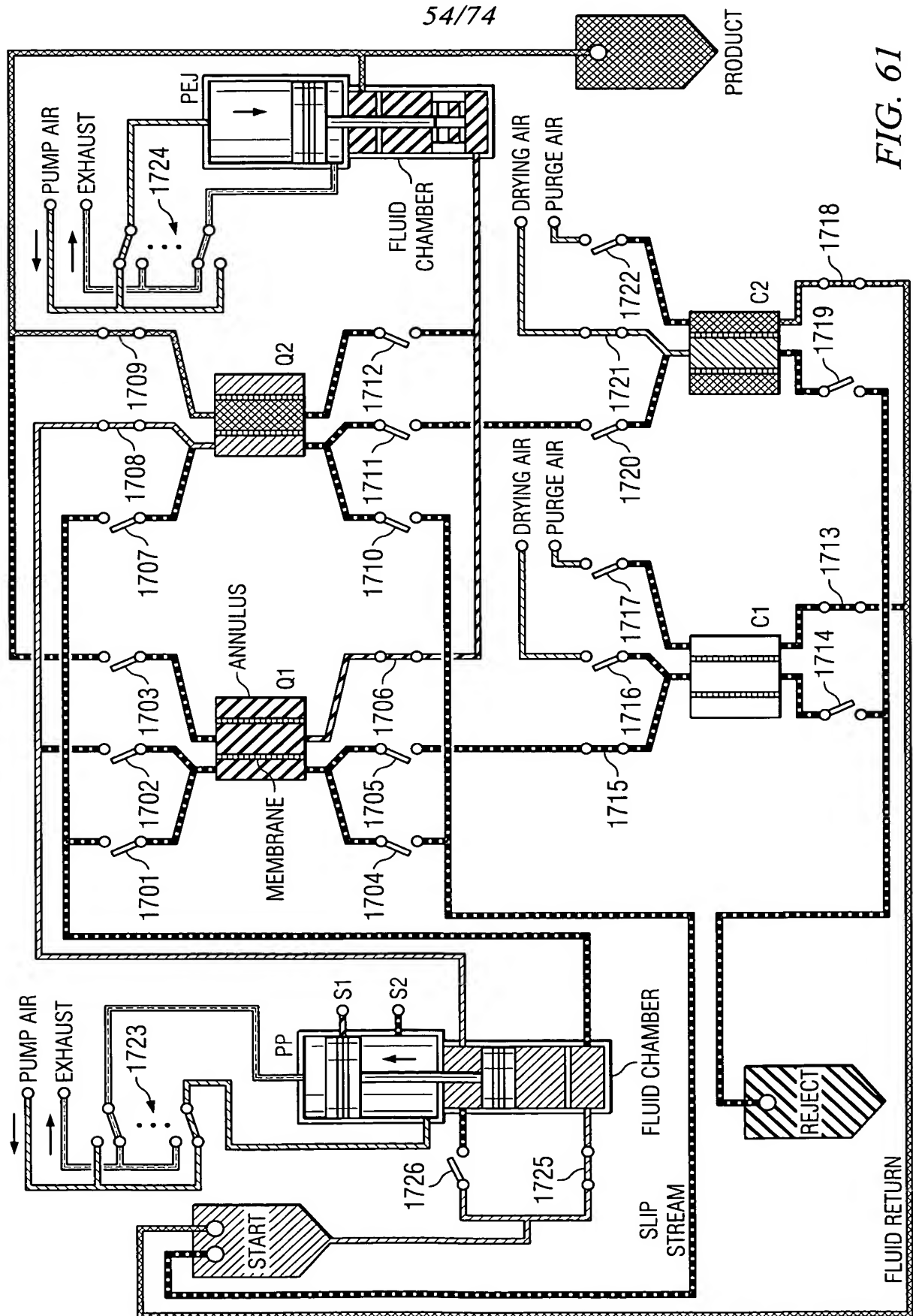


FIG. 60



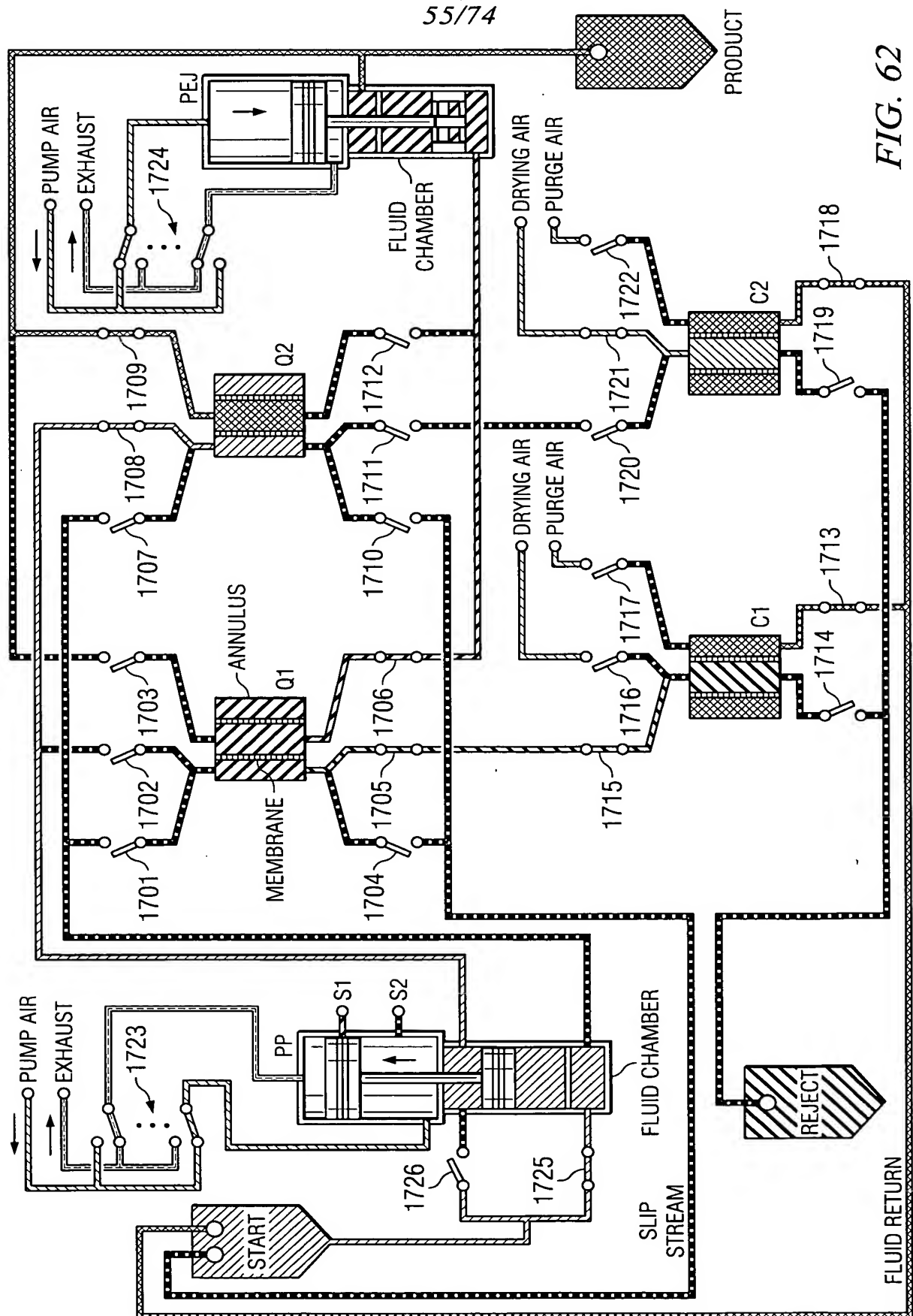


FIG. 62

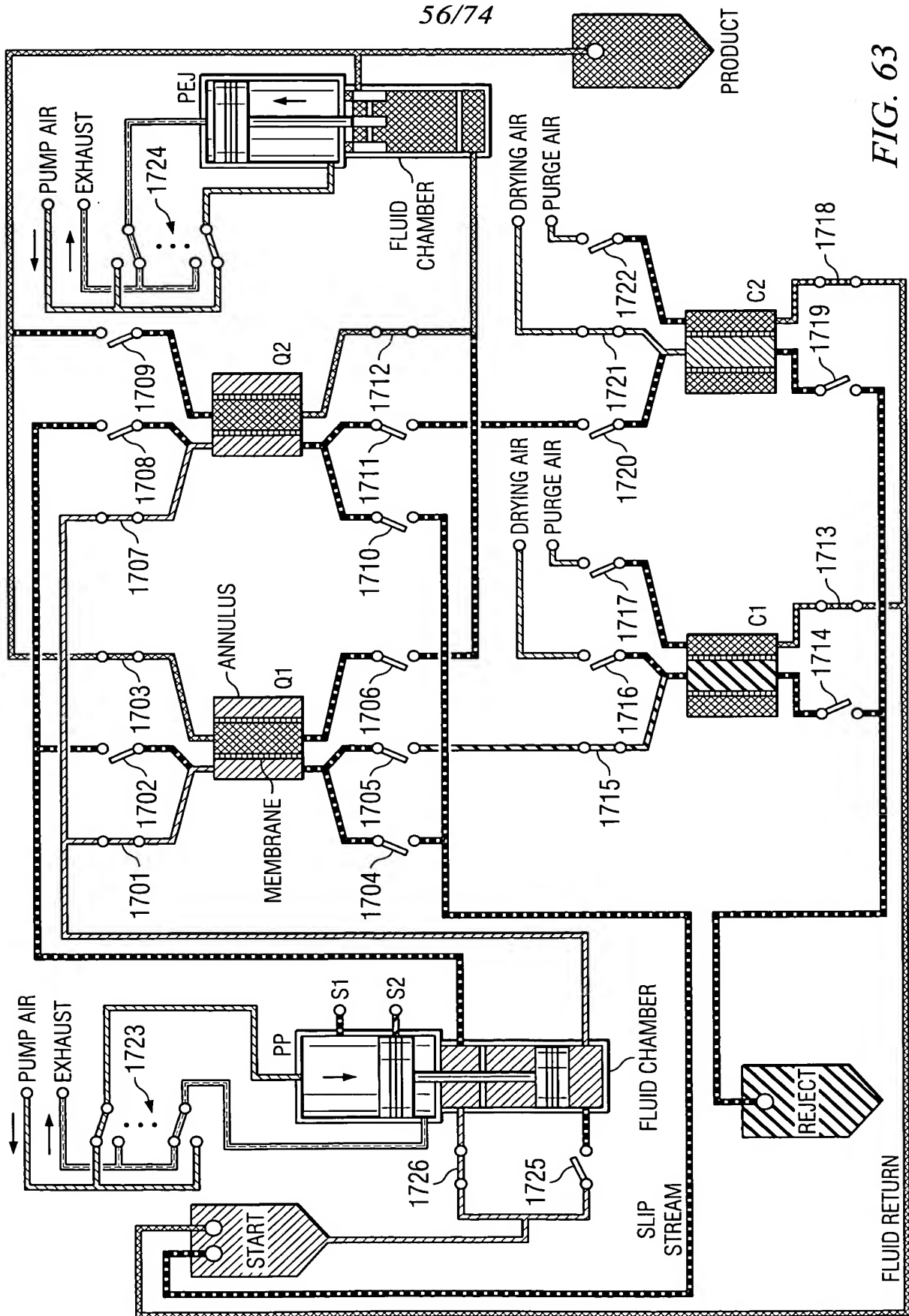


FIG. 63



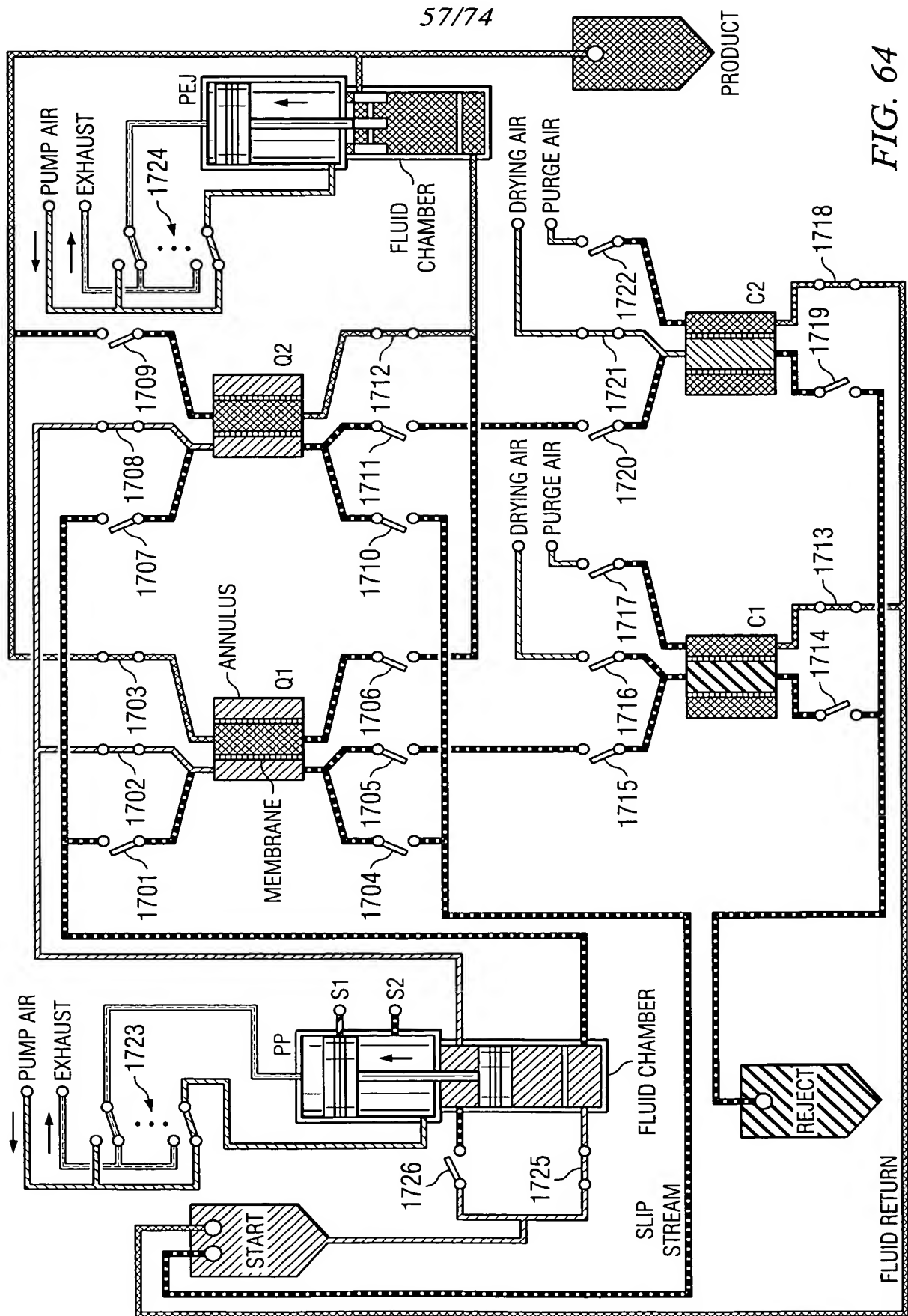


FIG. 64

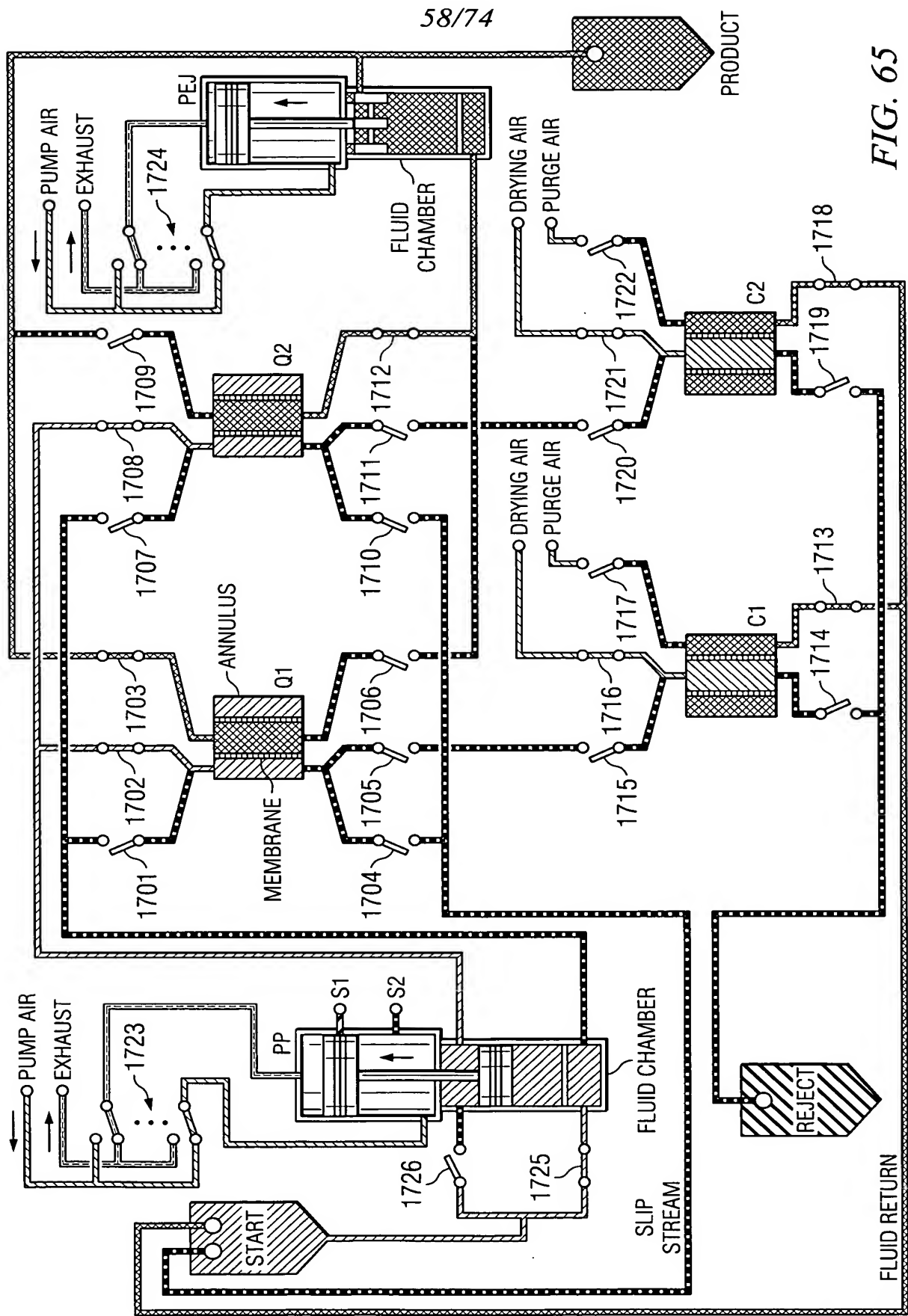


FIG. 65

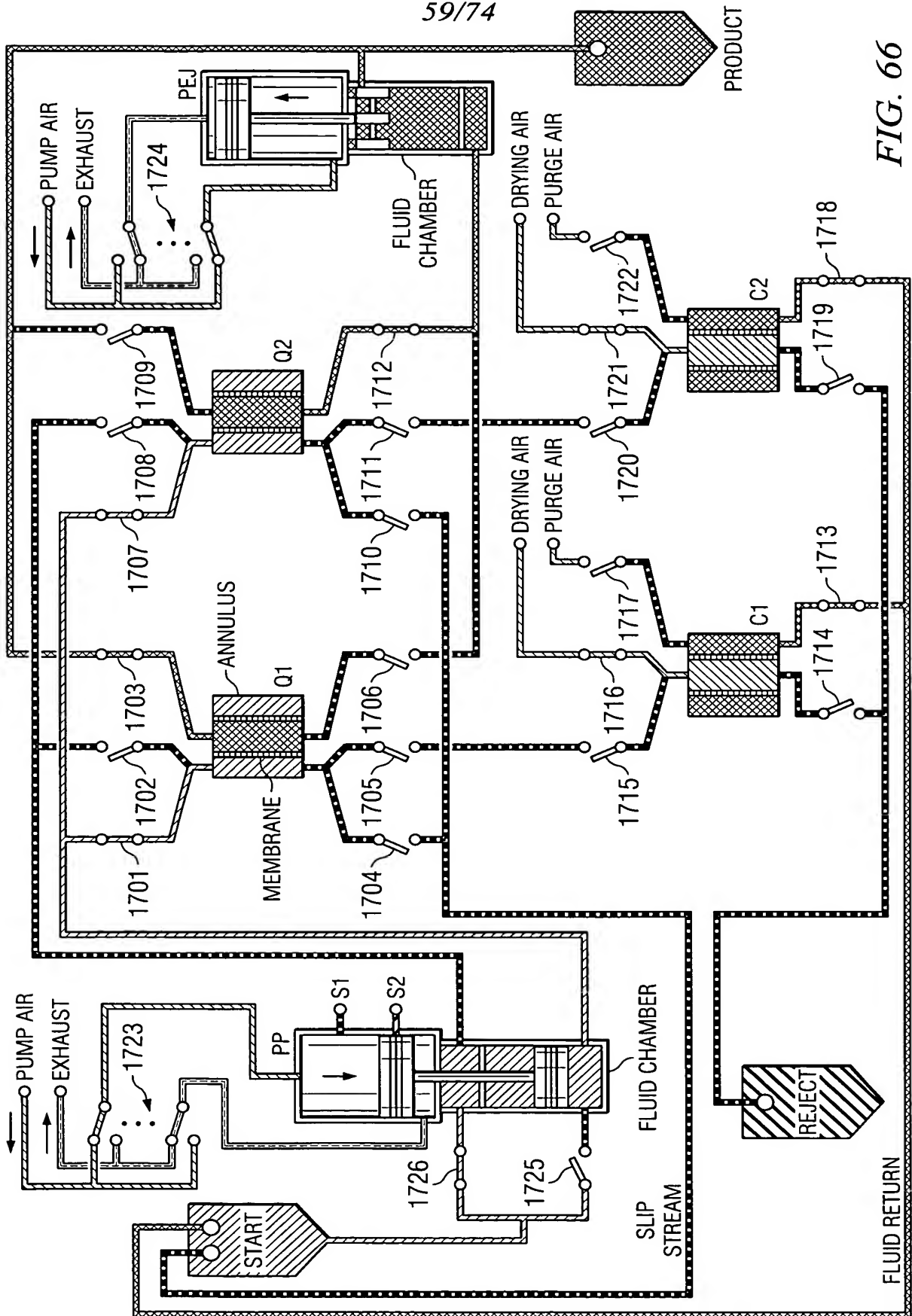


FIG. 66

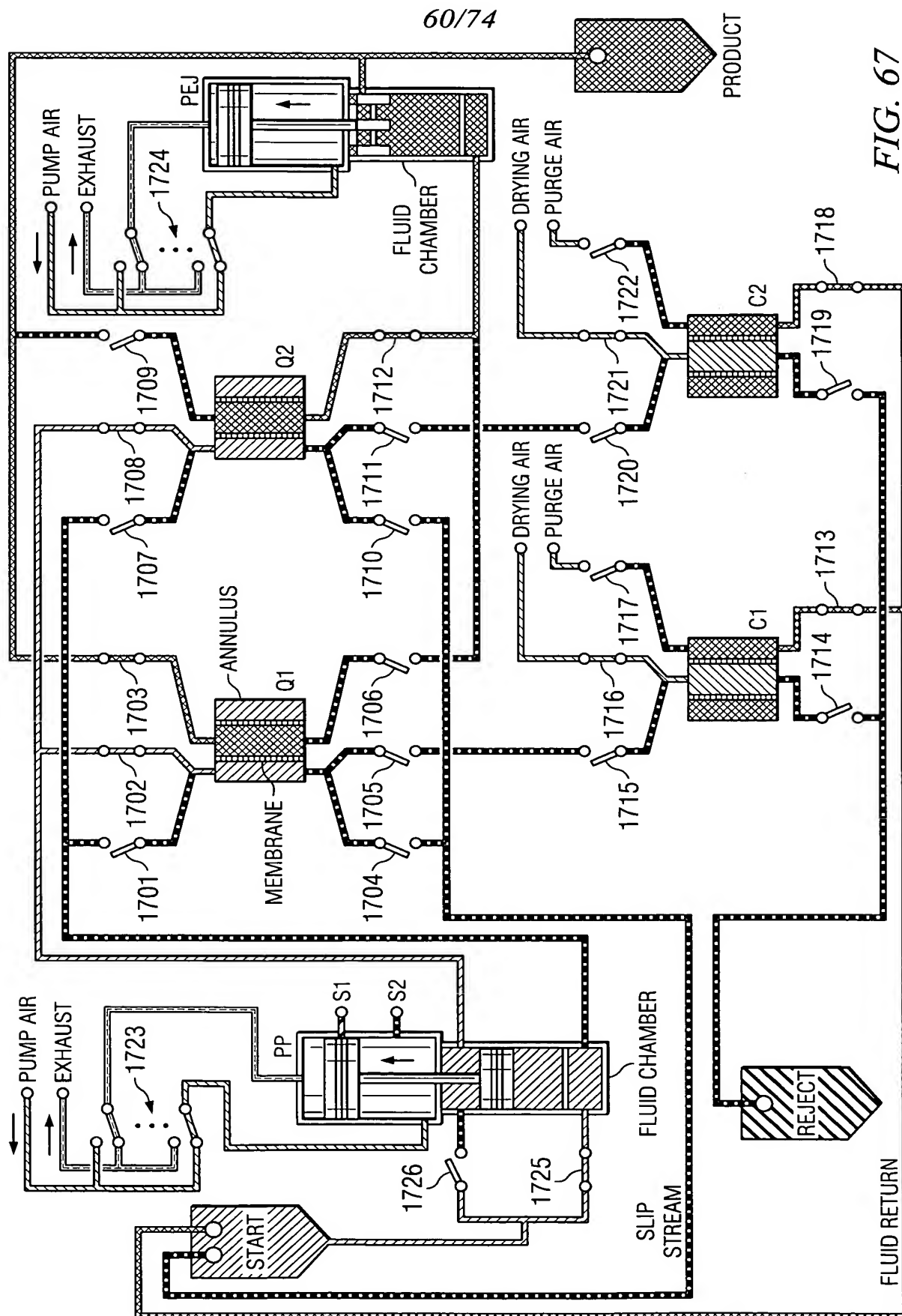


FIG. 67

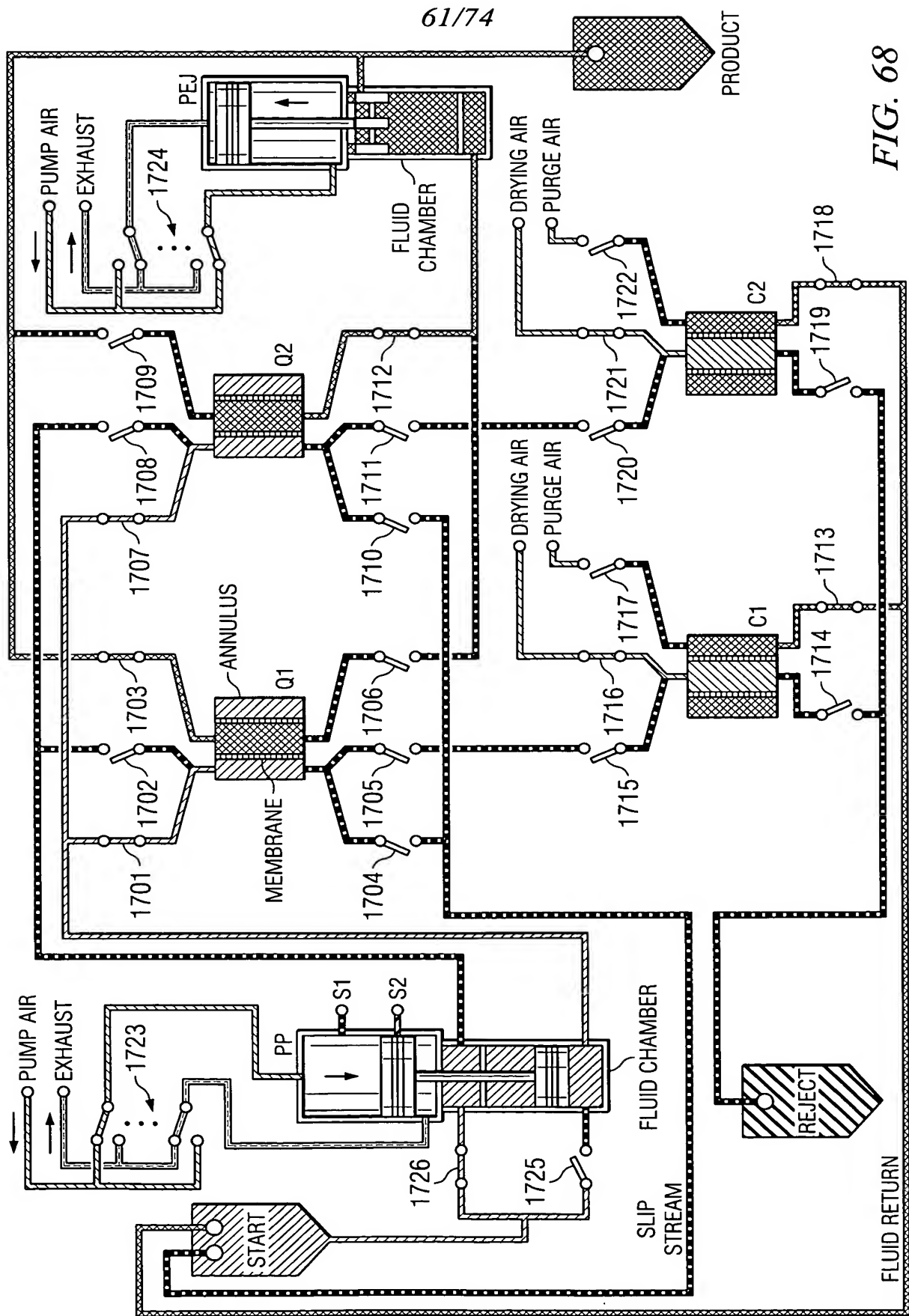


FIG. 68

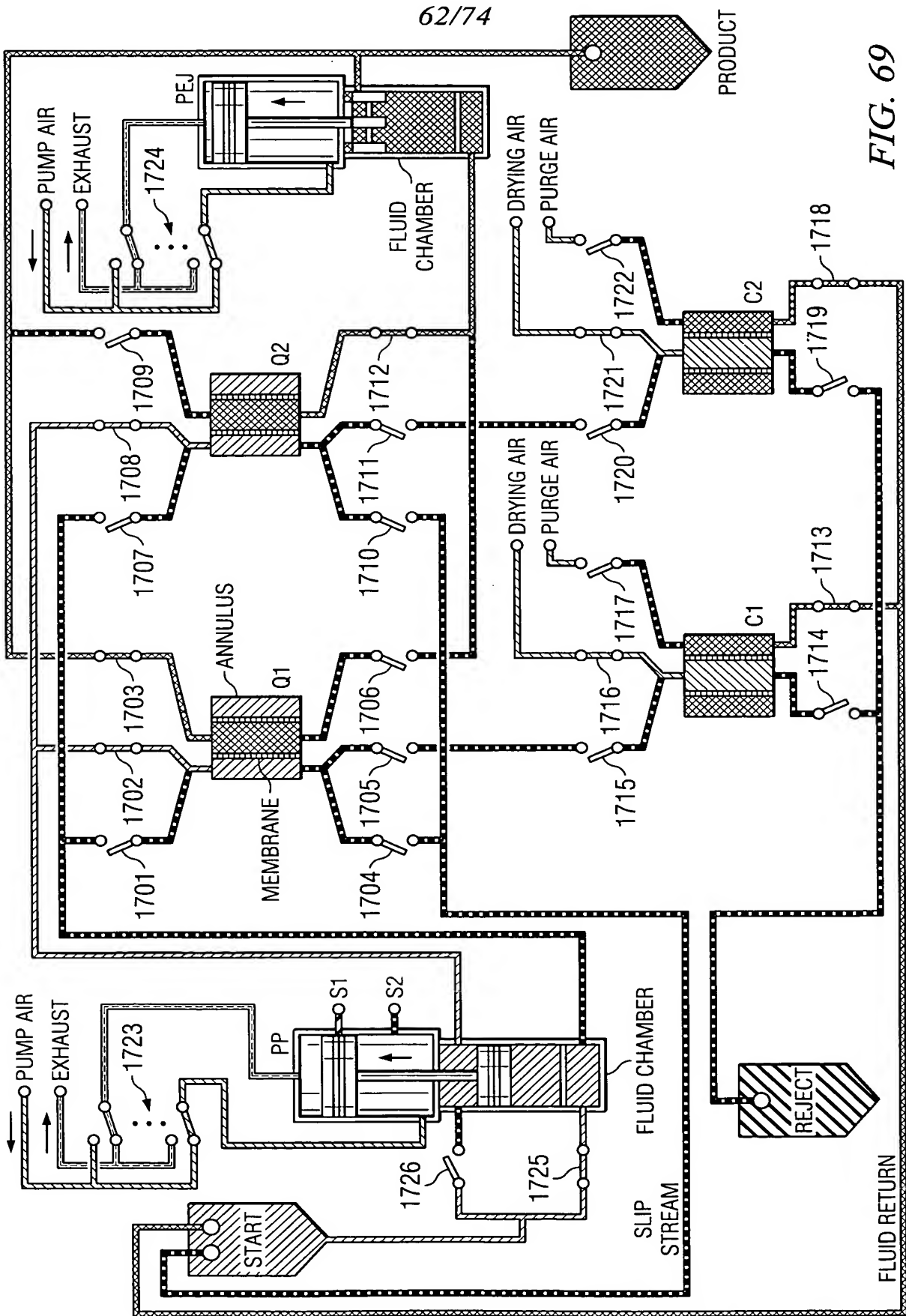
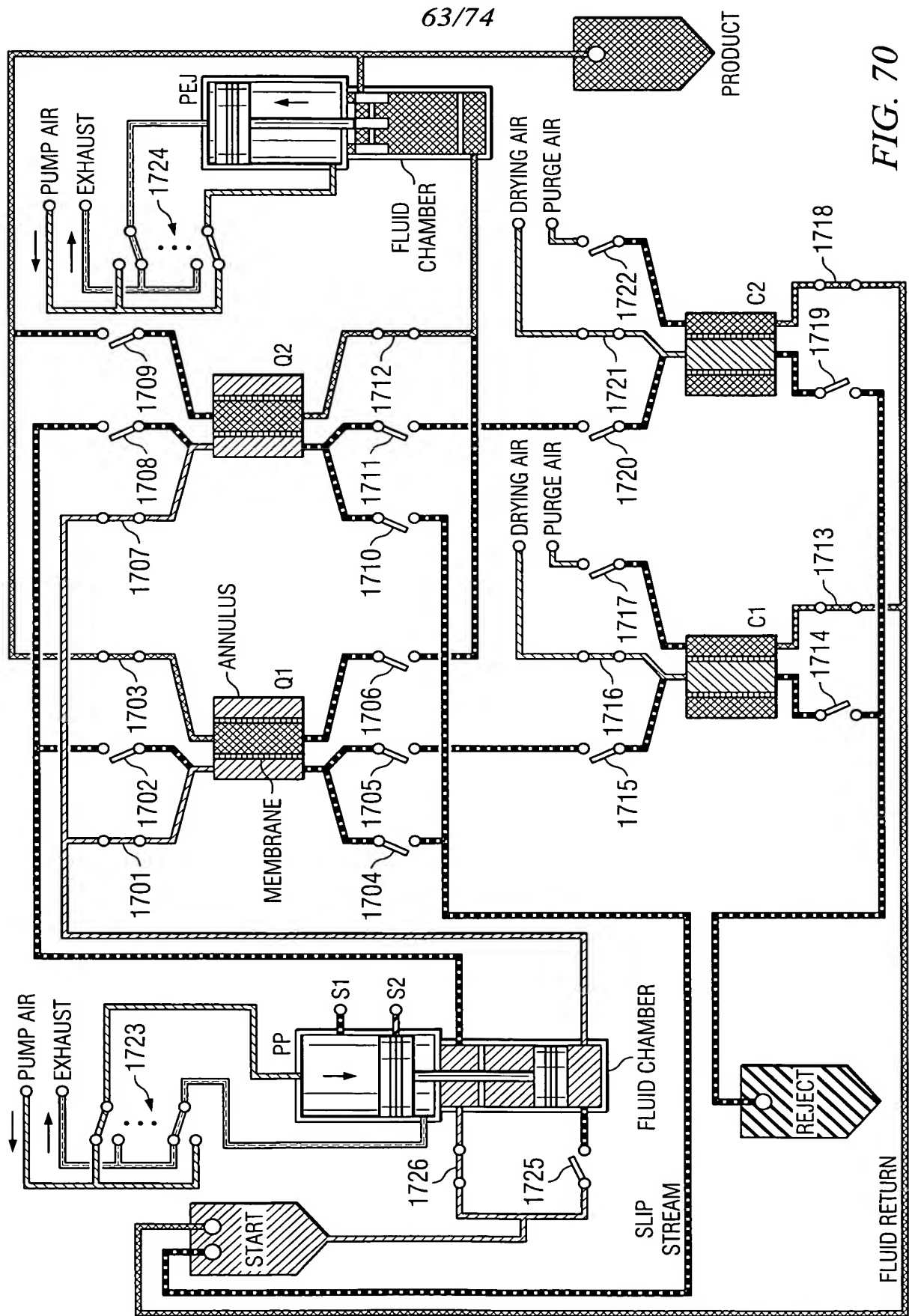
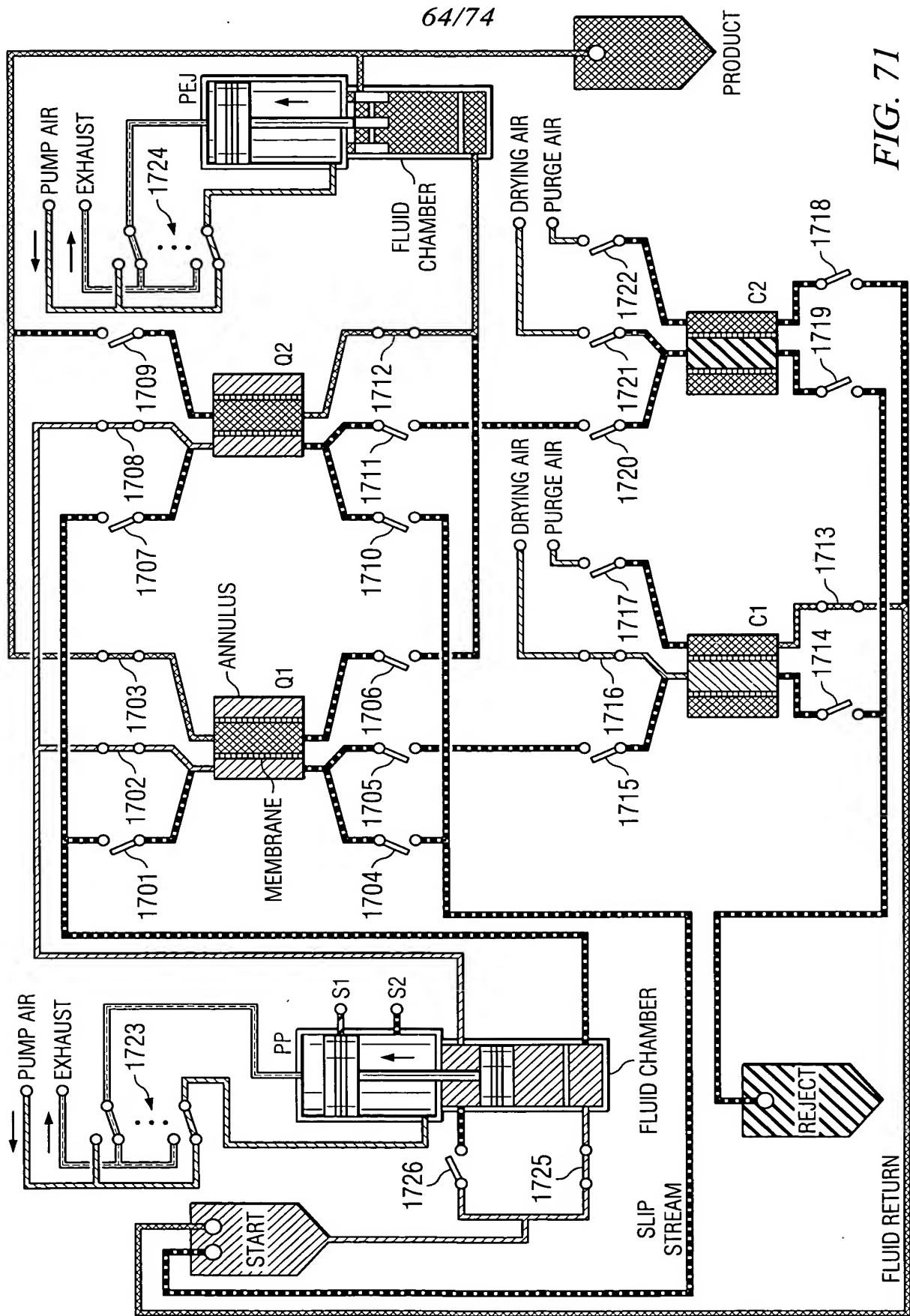


FIG. 69







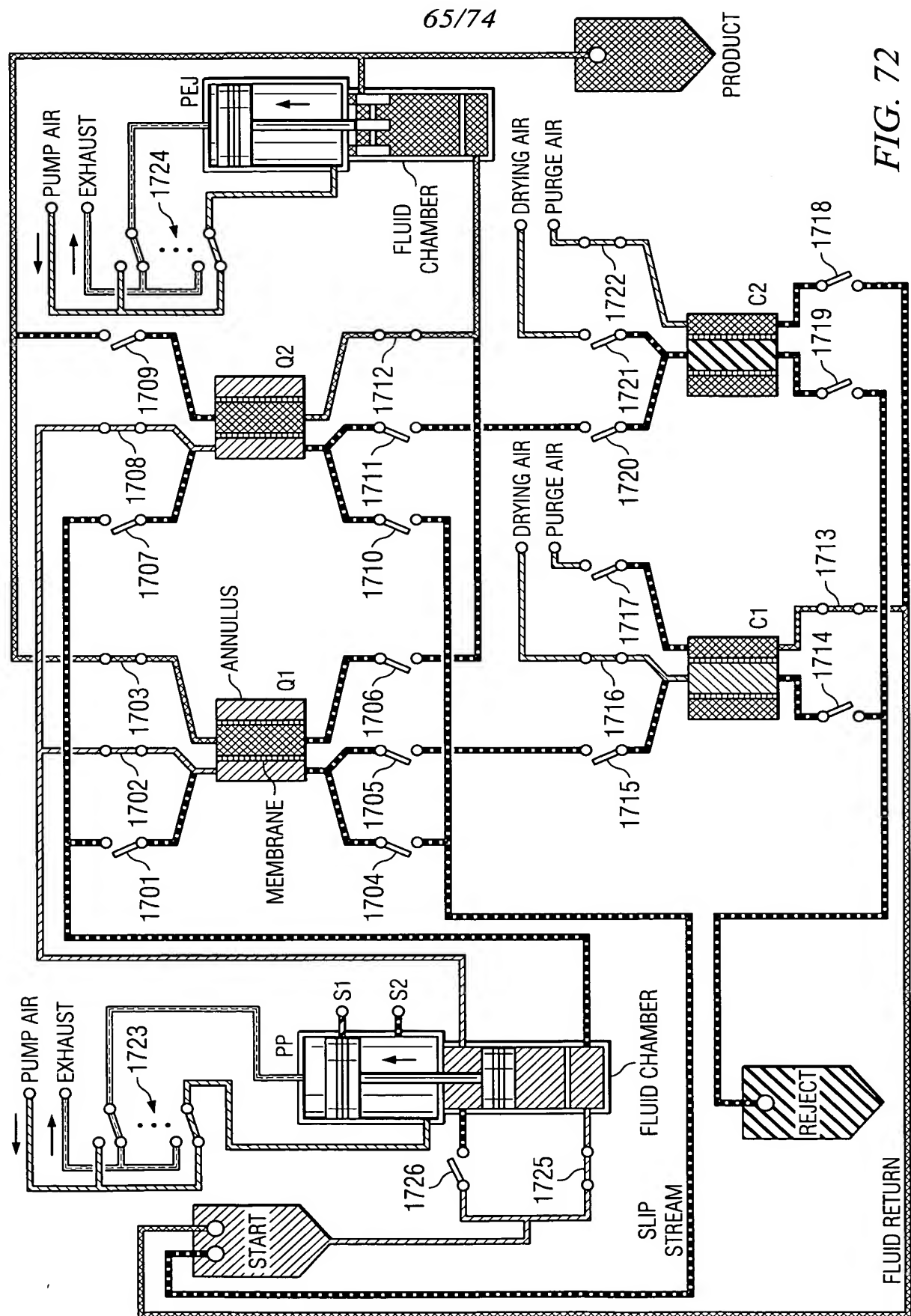


FIG. 72

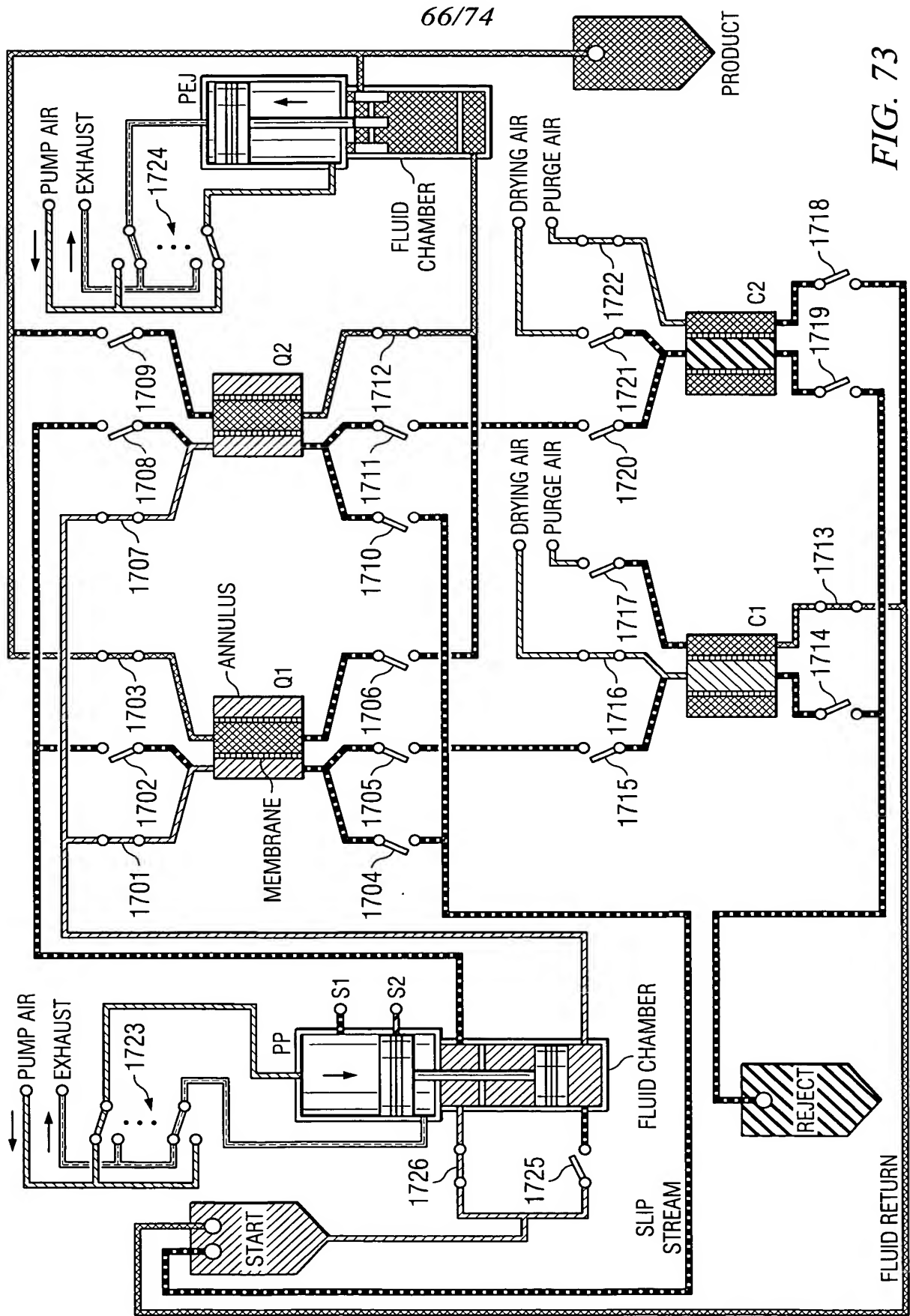


FIG. 73

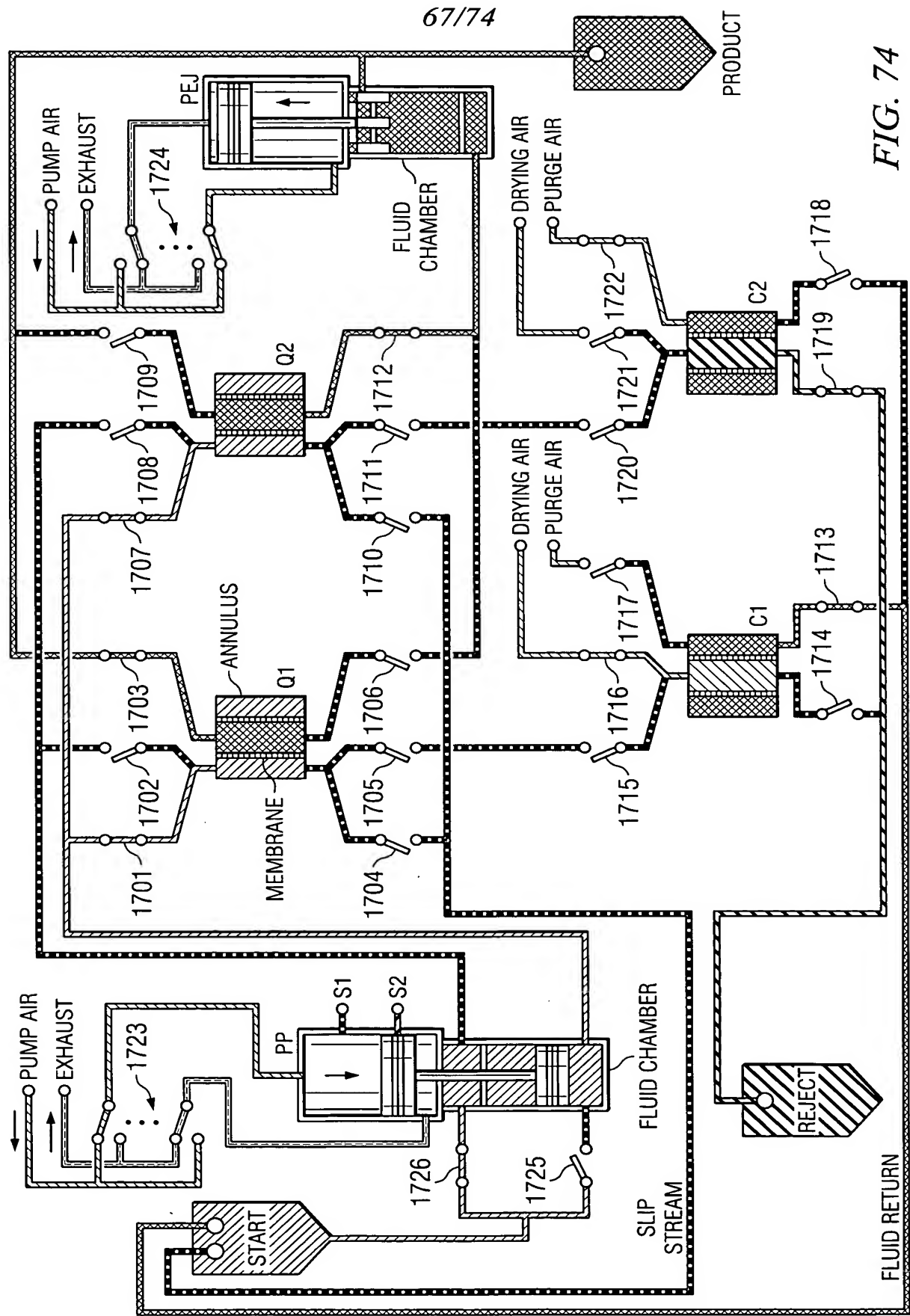


FIG. 74

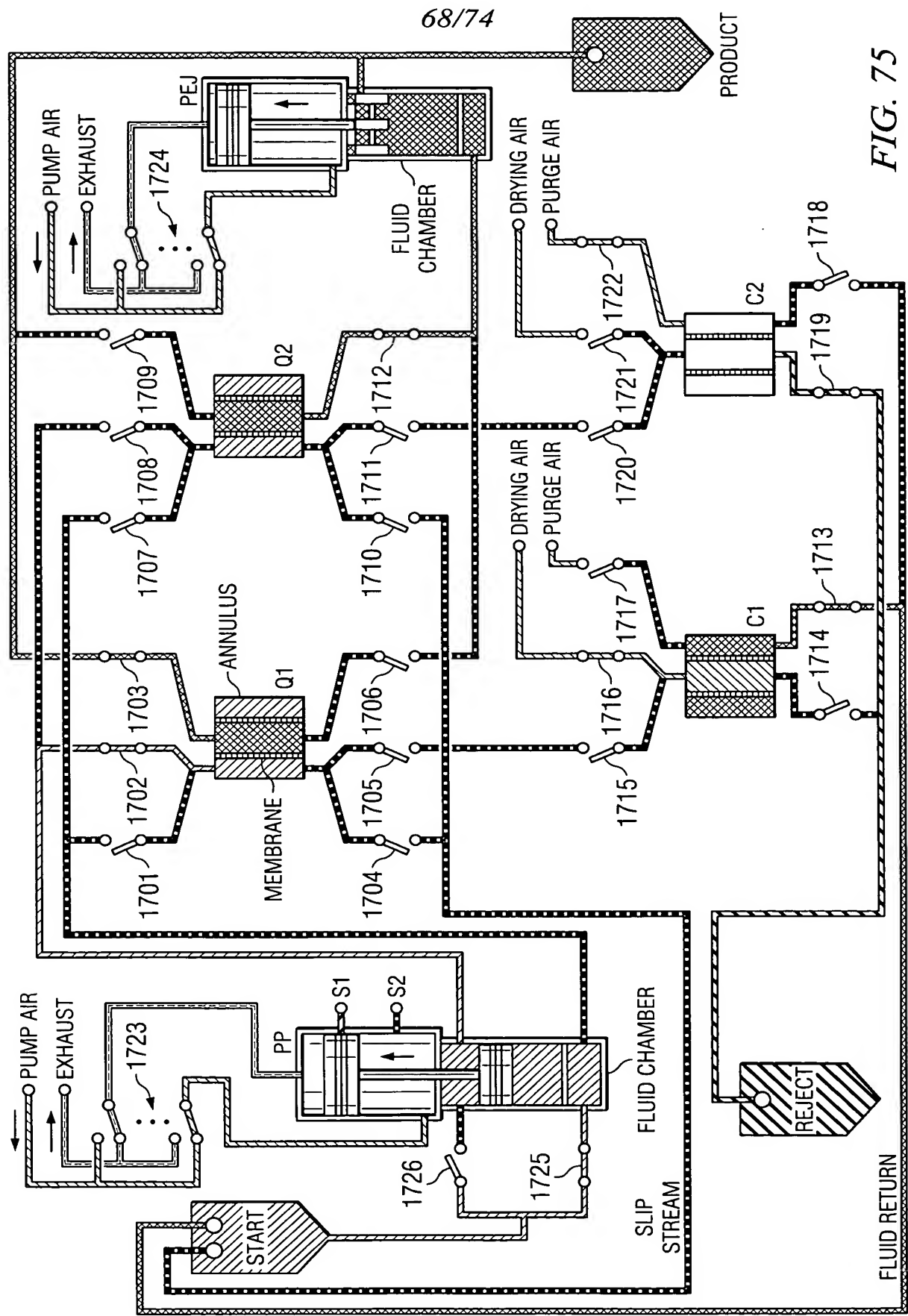


FIG. 75

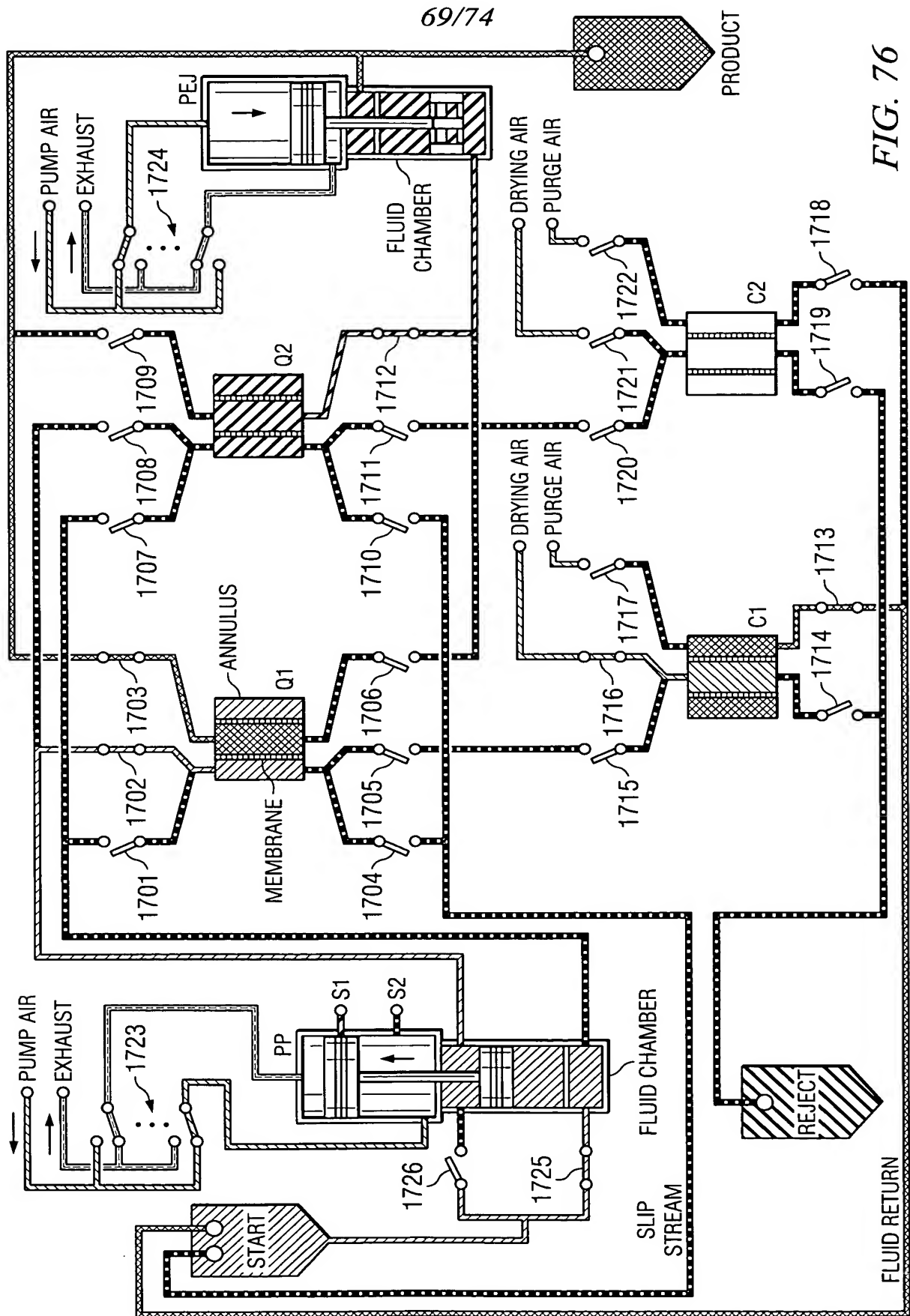


FIG. 76

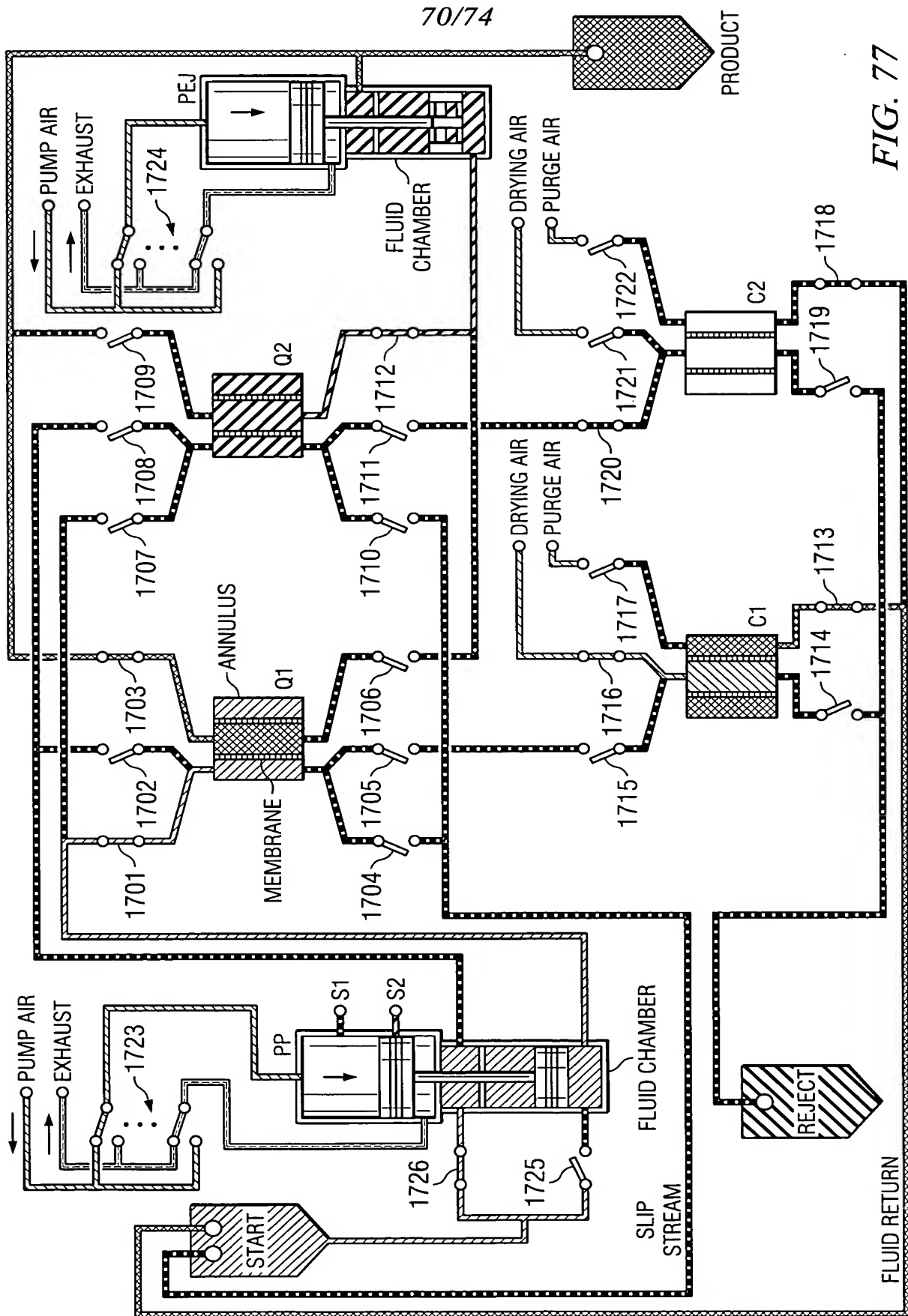


FIG. 77



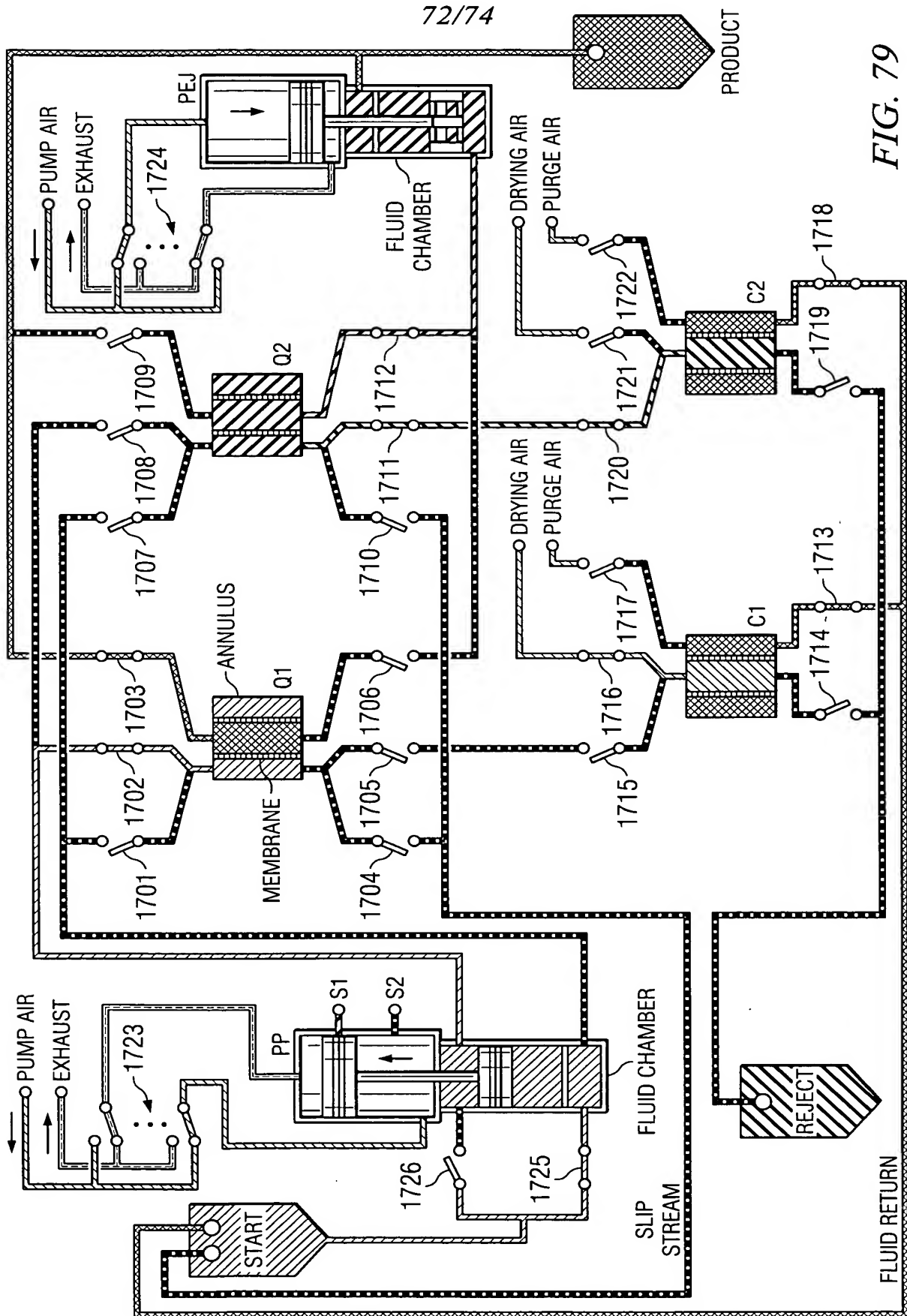


FIG. 79



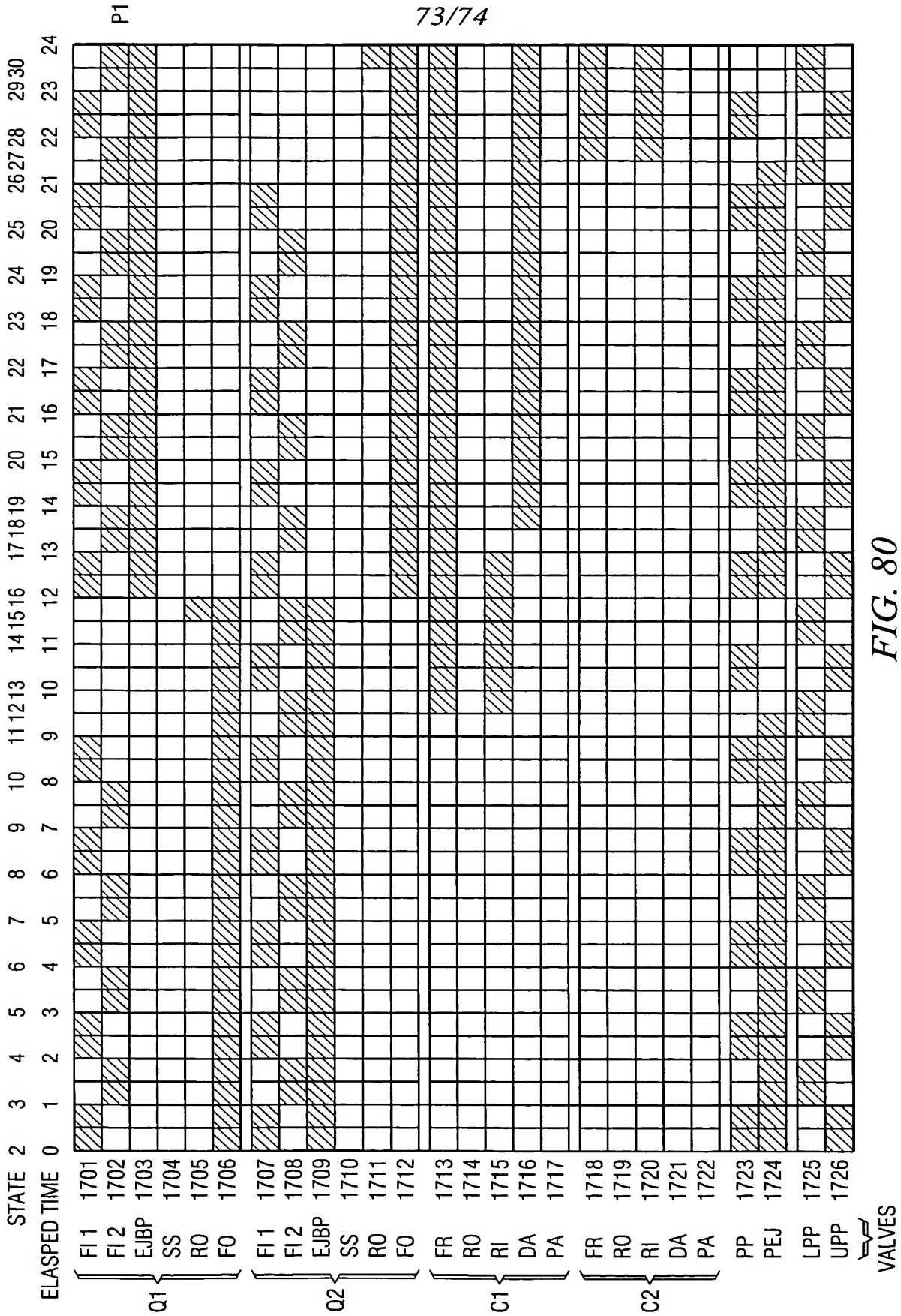


FIG. 80

STATE 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48  
 ELAPSED TIME 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

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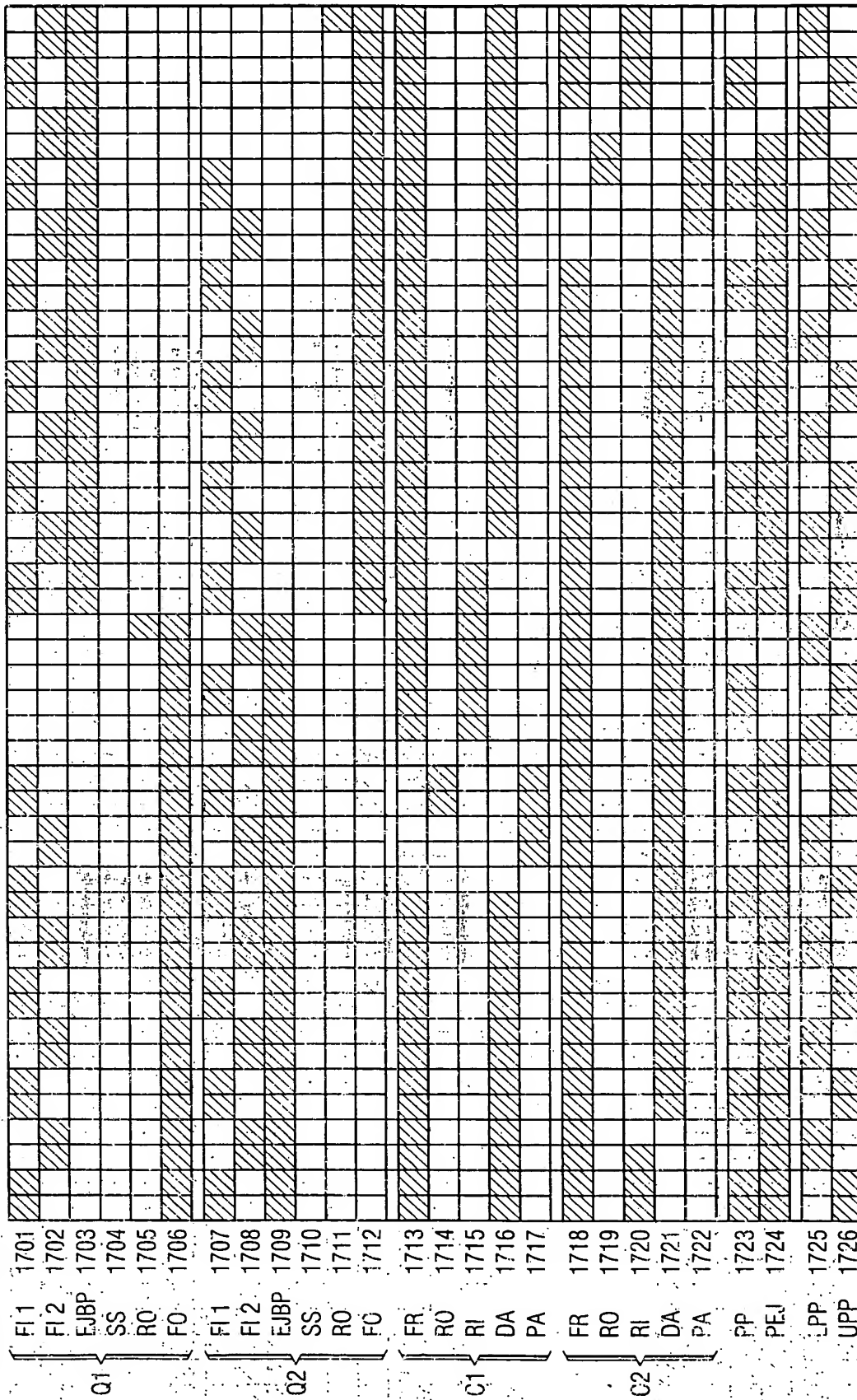


FIG. 81

VALVES